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Author: Ryan Gerber

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Facility/Site City: Greensboro

Facility/Site State: North Carolina

Facility/Site Zipcode: 27407

Facility/Site County: Guilford

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Mr. Michael Babuin
 North Carolina Department of Environmental Quality
 Hazardous Waste Section
 1646 Mail Service Center
 Raleigh, NC 27699-1646

Arcadis G&M of North Carolina, Inc.
 801 Corporate Center Drive
 Suite 300
 Raleigh
 North Carolina 27607
 Tel 919 854 1282
 Fax 919 854 5448

Subject:
 2nd Quarter 2017 Progress Report,
 Former Ashland Inc. Facility
 2802 Patterson Street, Greensboro, North Carolina
 EPA ID#: NCD 024 599 011

ENVIRONMENTAL

Dear Mr. Babuin:

On behalf of Ashland Inc. (Ashland), Arcadis G&M of North Carolina, Inc. (Arcadis) is pleased to submit this quarterly progress report that summarizes activities performed at the former Ashland Distribution Facility in Greensboro, North Carolina (the Site). The following activities were performed during the April 2017 through June 2017 (2nd Quarter 2017) reporting period:

1. Arcadis submitted a letter to the North Carolina Department of Environmental Quality (NCDEQ) on April 5, 2017 providing responses to NCDEQ comments and questions posed during the March 8, 2017 meeting between NCDEQ, Ashland, and Arcadis.
2. Arcadis performed the annual sub-slab vacuum testing at the Johnston Properties building (2800 Patterson Street) on April 19, 2017 as part of the Sub-Slab Depressurization (SSD) system monitoring program. The current tenant, Bedex, LLC (Bedex), a mattress refurbishing company, has been occupying the building since approximately December 2015.

Results of the sub-slab vacuum testing over the last 5 years is presented in the attached **Table 1**. Layout of the SSD system and locations of the sub-slab ports are depicted on **Figure 1**. Two sub-slab vacuum measurement ports (i.e., SSP-6 and SSP-8) have not been measured since December 2012 because a previous tenant covered the ports with carpet; however, these ports are relatively close to the two sub-slab

Date:
 August 14, 2017

Contact:
 Ryan Gerber

Phone:
 919-415-2265

Email:
 Ryan.Gerber@Arcadis.com

Our ref:
 OH010000.NC10

ARCADIS G&M of North Carolina, Inc.
 NC Engineering License # C-1869
 NC Surveying License # C-1869

extraction ports and are expected to have moderate-to-high vacuum levels while the SSD system is operational. Four other sub-slab vacuum measurement ports (SSP-4, SSP-5, SSP-7, SSP-9) were inaccessible during the 2017 monitoring event because they were covered with large volumes of materials by the current tenants. Vacuum levels at accessible sub-slab ports SSP-1, SSP-2, and SSP-3 in April 2017 were similar to previous measurements recorded, indicating that the SSD system appears to be continuing to adequately depressurize the soil gas below the building slab. Arcadis will coordinate with the tenant ahead of the next monitoring event to make more vapor monitoring points accessible.

3. Arcadis performed the biennial indoor air sampling event at the Johnston Properties building on April 19, 2017 as part of the SSD system monitoring program. The facility was occupied by Bedex at the time of sampling. Current and previous results of the indoor air sampling are presented in **Table 2** and air sample locations are depicted on **Figure 2**. The laboratory data package is included as **Attachment 1**.

The April 2017 indoor air sample results indicated that five constituents (1,3-butadiene, benzene, chloroform, 1,2-dichloroethane, and trichloroethene [TCE]) were detected in at least one sample at concentrations greater than the NCDEQ Division of Waste Management Non-Residential Indoor Air Screening Levels (IASL) (NCDEQ 2016). However, the presence of these constituents is likely related to Bedex facility operations and not due to vapor intrusion of soil and groundwater constituents of potential concern (COPC) because these constituents were either not detected or were detected at concentrations below the IASLs during the previous two sampling events conducted during operation of the SSD system and prior to Bedex operations at the facility. Further, 1,3-butadiene is not a constituent of potential concern in soil or groundwater at the Site and 1,2-dichloroethane was last detected in groundwater at a concentration of 1.2 micrograms per liter ($\mu\text{g}/\text{L}$) in one monitoring well sample collected in 2013.

Prior to 2017, benzene was detected in both indoor and outdoor air samples at concentrations less than the IASLs. The 2017 monitoring event is the first indoor air sampling event conducted during active Bedex operations at the facility and the first event during which benzene was detected at concentrations greater than the IASLs. 1,3-butadiene was not detected in indoor air samples collected prior to 2017 and was only detected in one sample (VIA-3) during the 2017 sampling event at a concentration of 0.92 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) compared to the IASL of 0.409 $\mu\text{g}/\text{m}^3$.

Several other constituents were detected in indoor air during the April 2017 sampling event; however, no other constituents were detected at concentrations greater than IASLs.

4. Arcadis submitted the 1st Quarter Progress Report to NCDEQ on May 1, 2017.
5. Arcadis met Jack Kitchen with NCDEQ at the Site on May 12, 2017 for an annual Site inspection. NCDEQ reviewed Site documentation, and inspected the Resource Conservation and Recovery Act (RCRA) Surface Cap and monitoring well vaults at the Site. Mr. Kitchen identified no violations at the Site, however, he identified several damaged or buried monitoring well vaults that needed minor repairs. Antea USA of North Carolina, Inc. (Antea) was on-site on June 23, 2017 to make the requested repairs. Most items were addressed at that time, although a few well

vaults needed additional parts that were specially ordered and will be repaired in the third quarter 2017. NCDEQ issued an inspection report on June 24, 2017 noting several well heads that needed maintenance or repairs.

6. Antea performed quarterly operations and maintenance (O&M) activities for the SSD system at the neighboring Johnston Properties building on May 25, 2017. The SSD system was operating well and had 100-percent run time during the reporting period. The Johnston Properties building was leased to Bedex for mattress refurbishing operations at the time of the inspection.
7. NCDEQ sent a letter to Arcadis, dated May 25, 2017, providing comments to the Arcadis letter to NCDEQ dated April 5, 2017. In the letter, NCDEQ agreed that granular activated carbon (GAC) was not required in the planned ISS mixture for remediation of contaminated soils at the Site, asked that Ashland and Arcadis begin drafting land use restriction documents, and asked that Arcadis provide more detailed information of well construction and historical concentration and groundwater gradient data at monitoring wells MW-29S, MW-29D, and MW-29BR.
8. Arcadis submitted a technical memorandum to the NCDEQ on June 26, 2017 summarizing well construction details, hydrogeologic information, and analytical data from monitoring wells MW-29S, MW-29D, and MW-29BR located near the unnamed stream approximately 1,000 feet southeast of the Site.
9. Arcadis submitted an updated and signed EPA Form 8700 to the NCDEQ on June 27, 2017.

The following activities were performed and/or are expected to be performed during the 3rd Quarter (July through September) 2017 reporting period:

1. Ashland's project manager for the Site will transition from John Hoffman to Shannon Lloyd. Ashland will notify NCDEQ once the transition occurs.
2. Antea will continue to perform quarterly O&M activities for the SSD system located at 2800 Patterson Street.
3. Antea will make additional repairs to several monitoring well vaults that were not addressed during the June 23, 2017 well vault maintenance work.
4. Antea will conduct semi-annual surface water sampling and annual groundwater monitoring in September 2017.
5. Antea will conduct a semi-annual inspection of the cap at the Site in September 2017.
6. Arcadis will send a request for proposal to qualified subcontractors for the planned In-Situ Soil Solidification remedial action at the Site.

Mr. Babuin
August 14, 2017

Should you have any questions or require additional information, please feel free to contact Ryan Gerber with Arcadis at (919) 415-2265.

Sincerely,

Arcadis G&M of North Carolina, Inc.



Ryan Gerber, PE
Senior Project Engineer

Copies:

Mr. Shannon Lloyd – Ashland LLC
Mr. David Wilderman – Arcadis

Enclosures:

Tables

- 1 Summary of Sub-Slab and Extraction Point Vacuum Performance Data
- 2 Summary of Indoor and Outdoor Air Analytical Results

Figures

- 1 Full-Scale SSD System Layout
- 2 Air Sample Locations

Attachments

- 1 Air Sample Laboratory Data Package – April 2017

References:

NCDEQ. 2016. Division of Waste Management Non-Residential Vapor Intrusion Screening Levels, Found at: http://portal.ncdenr.org/c/document_library/get_file?uuid=f67d01e0-6923-44f8-af8a-45559bd575e3&groupId=38361. June.

Tables

Table 1. Summary of Sub-Slab and Extraction Point Vacuum Performance Data
Johnston Properties - 2800 Patterson Street, Greensboro, NC.

Location	Distance to Closest Extraction Well (feet)	Sub-Slab Vacuum ¹ (inches H ₂ O) 12/10/2012	Sub-Slab Vacuum ¹ (inches H ₂ O) 2/7/2014	Sub-Slab Vacuum ¹ (inches H ₂ O) 1/27/2015	Sub-Slab Vacuum ¹ (inches H ₂ O) 2/8/2016	Sub-Slab Vacuum ¹ (inches H ₂ O) 4/19/2017
SSP-1	50	0.018	0.004	0.264	0.013	0.011
SSP-2	50	0.036	0.013	0.015	0.024	0.0264
SSP-3	100	0.011	0.002	0.0025	0.005	0.0011
SSP-4	95	0.036	0.013	0.015	0.020	NM
SSP-5	115	0.027	0.009	0.011	NM	NM
SSP-6	105	NM	NM	NM	NM	NM
SSP-7	140	0.022	0.007	0.0081	0.007	NM
SSP-8	20	NM	NM	NM	NM	NM
SSP-9	140	0.015	0.003	0.0046	0.005	NM
Extraction Point		Vacuum at SSVE Point				
SSVE- 1:		6.5	9.5	6.2	8.3	6.0
SSVE- 2:		3.0	8.0	9.5	7.8	14
Mean Daily Outside Air Temp. (°F):		52	41	35	47	60
Building Conditions:		Sign-a-rama present, heat set at ~60°F (space heaters), doors closed, and ventilation turned off	Building vacant, heat set at ~60°F (space heaters), doors closed, and ventilation turned off	Building vacant, heat set at ~60°F (space heaters), doors closed, and ventilation turned off	Bedex, Inc. was present. Space heaters were on and interior temperature set at 68°F. Doors were closed.	Building occupied by BedEx. Heat was off and doors were closed.

Notes:

SSD - Sub-Slab Depressurization.

SSVE - Sub-Slab Vapor Extraction

inches H₂O - Inches of water.

NM - Not Measured - Sub-Slab Port was covered by carpet or other materials

Building ventilation was off and front bay doors were closed during pressure testing.

1 - Sub-slab vacuum measurements were relative to indoor air pressure. Positive values indicate lower relative pressure in the sub-slab air.

Table 2. Summary of Indoor and Outdoor Air Analytical Results
Johnston Properties - 2800 Patterson Street, Greensboro, NC.

Sample Location: Lab Sample ID:	VIA-1				VIA-2				VIA-3				VIA-4				
	1009588-01A 1102464-01A				1009588-02A 1102464-02A 1212461-01A 1501369-03A 200-38312-1				1009588-03A 1102464-03A 1212461-02A 1501369-02A 200-38312-2				1009588-04A 1102464-04A 1212461-04A				
	Location Description:		Open Space - Loading Bay (Front)		Office Space				Bathroom				Floor Seam in Concrete Toward Northwest in Facility		Printing Room - NW Corner of Building		
	Date Sampled:	9/24/2010	2/22/2011	9/24/2010	2/22/2011	12/19/2012	1/27/2015	4/19/2017	9/24/2010	2/22/2011	12/19/2012	1/27/2015	4/19/2017	9/24/2010	2/22/2011	12/19/2012	
Occupancy:	VACANT	VACANT	VACANT	VACANT	Sign-A-Rama	VACANT	Bed-Ex	VACANT	VACANT	Sign-A-Rama	VACANT	Bed-Ex	VACANT	VACANT	VACANT	Sign-A-Rama	
VOCs (TO-15) $\mu\text{g}/\text{m}^3$	DWM Non-Residential IASL ^a	OSHA PEL 8-Hour ^b															
1,3 Butadiene	0.409	1,000	NR	NR	NR	<3.5	NR	<1.3	NR	NR	<2.4	NR	0.92 *	NR	NR	<3.9	
n-Butane	NE	NE	NR	NR	NR	NR	NR	34	NR	NR	NR	NR	46	NR	NR	NR	
n-Hexane	613	NE	NR	NR	NR	4.1 J	NR	47	NR	NR	3.2 J	NR	53	NR	NR	<62	
n-Heptane	NE	NE	NR	NR	NR	13	NR	<2.5	NR	NR	14	NR	1.9	NR	NR	290	
Acetone	27,200	2,400,000	18	15	20	13	310	17	120	33	10	290	10	190	20	15	690
Benzene	1.57	32,000	0.78	0.6	1.1	0.96	2.7 J	0.47 J	4.0 *	0.86	1.3	1.7 J	0.36 J	4.7 *	0.78	0.58	<56
Carbon Tetrachloride	2.04	63,000	0.52 J	<0.94	0.43 J	0.39 J	<9.9	0.46 J	<3.8	0.45 J	0.37 J	<6.8	0.38 J	<2.5	0.63 J	0.50 J	<110
Carbon Disulfide	613	20,000	NR	NR	NR	< 25	NR	<4.7	NR	NR	0.54 J	NR	<3.1	NR	NR	<220	
Chloroform	0.533	240,000	0.20 J	0.34 J	0.89	0.72 J	<7.7	0.22 J	<2.9	0.40 J	1.3	1.2 J	0.41 J	2.2 *	0.33 J	0.28 J	<85
Chloromethane	78.8	100,000	NR	NR	NR	2.8 J	NR	<3.1	NR	NR	2.5	NR	<2.1	NR	NR	<360	
Cyclohexane	5.260	1,050,000	NR	NR	NR	170	NR	<2.1	NR	NR	180	NR	1.6	NR	NR	3700	
1,1-Dichloroethane	7.67	400,000	0.19 J	<0.60	3.0	2.4	<6.4	<0.66	<2.4	0.94	4.5	<4.4	<0.68	<1.6	0.60 J	<0.63	<71
1,1-Dichloroethene	175	200,000	5.5	1.4	53	58	<6.3	<0.65	<2.4	17	91	<4.3	<0.67	<1.6	17	2.4	<69
1,2 Dichloroethane	0.472	50,000	NR	NR	NR	<6.4	NR	5.8 *	NR	NR	<4.4	NR	6.6 *	NR	NR	<71	
cis-1,2-Dichloroethene	NE	790,000 ^c	3.0	0.94	55	52	<6.3	<0.65	<2.4	15	79	<4.3	<0.67	<1.6	7.7	2	<69
Dichlorodifluoromethane (Freon 12)	87.6	NE	NR	NR	NR	2.1 J	NR	<7.4	NR	NR	1.8 J	NR	<4.9	NR	NR	<86	
Ethylbenzene	4.91	435,000	0.7	2.8	0.76	2.6	32 *	0.23 J	<2.6	0.84	11	32 *	0.21 J	<1.7	0.74	3.4	320 *
Methylene Chloride	526	350,000	1.2	2.3	12	1.8	1300 *	0.22 J	<5.2	5.6	1.9	1300 *	0.29 J	5.2	1.3	1.8	2200 *
Methyl Ethyl Ketone	4,380	590,000	NR	NR	NR	180	NR	16	NR	NR	220	NR	21	NR	NR	550	
Tetrachloroethene	35	690,000	38	10	130	170	2.9 J	1.1	<3.2	72	380	5.3 J	0.71 J	<2.7	140	19	<120
Toluene	4,380	375,000	4.3	6.0	4.3	5.4	86	1.8	8.8	4.9	4.5	75	1.4	12	4.2	5.6	490
1,1,1-Trichloroethane	4,380	1,900,000	1.7	0.53 J	1.4	0.48 J	<8.6	<0.89	<3.3	1.6	0.44 J	<5.9	<0.92	<2.2	5.8	0.77 J	<95
Trichloroethene	1.75	535,000	12	4.0	150	150	6.5 J	1.1	<3.2	41	230	2.6 J	0.63 J	<2.1	40	6.7	<94
Trichlorofluoromethane (Freon 11)	NE	NE	NR	NR	NR	NR	1.6 J	NR	<2.2	NR	NR	1.3 J	NR	<2.2	NR	NR	<98
Vinyl Chloride	2.79	3,800	<0.38	<0.38	0.21 J	0.29 J	<4.0	<0.42	<1.5	<0.43	0.41	<2.8	<0.43	<1.0	<0.40	<0.40	<45
m,p-Xylenes	87.6 ^c	435,000	2.0	13	2.2	8.7	120 *	0.71 J	<6.5	2.2	34	130 *	0.67 J	<4.3	1.9	14	1,400 *
o-Xylene	87.6 ^c	435,000	0.60 J	3.2	0.65 J	2.3	32	0.27 J	<2.6	0.66 J	8.4	31	0.26 J	<1.7	0.61 J	3.8	240 *
Xylenes (Total)	87.6 ^c	NE	2.6 J	16.2 J	2.85 J	11.0 J	152 J *	0.98 J	<9.1	2.86 J	42.4 J	161 J *	0.93 J	<6.1	2.51 J	17.8 J	1,640 J *

See Notes on Last Page

Table 2. Summary of Indoor and Outdoor Air Analytical Results
Johnston Properties - 2800 Patterson Street, Greensboro, NC.

Sample Location: Lab Sample ID:	VIA-5						Dup-01		VIA-6			VIA-7					
	1009588-05A	1102464-05A	1212461-05A	10501369-04A	200-38312-3	1501369-05A	200-38312-5	1009588-06A	1102464-06A	1009588-07A	1102464-07A	1212461-07A	1501369-01A	200-38312-4			
	Workshop Bay (North-Western Area)						Duplicate of VIA-5		Open Space - Warehouse Bay (Northern Central)			Outdoor Air - West Side of Building					
Date Sampled:	9/24/2010	2/22/2011	12/19/2012	1/27/2015	4/19/2017	1/27/2015	4/19/2017	9/24/2010	2/22/2011	9/24/2010	2/22/2011	12/19/2012	1/27/2015	4/19/2017			
Occupancy:	VACANT	VACANT	Sign-A-Rama	VACANT	Bed-Ex	VACANT	Bed-Ex	VACANT	VACANT	VACANT	VACANT	Sign-A-Rama	VACANT	Bed-Ex			
VOCs (TO-15) $\mu\text{g}/\text{m}^3$	DWM Non-Residential IASL ^a	OSHA PEL 8-Hour ^b															
1,3 Butadiene	0.409	1,000	NR	NR	<9.4	NR	<0.88	NR	NR	NR	NR	<0.37	NR	<0.44			
n-Butane	NE	NE	NR	NR	NR	23	NR	18	NR	NR	NR	NR	NR	64			
n-Hexane	613	NE	NR	NR	2.8 J	NR	41 J	NR	26 J	NR	NR	0.32 J	NR	8.4			
n-Heptane	NE	NE	NR	NR	36	NR	1.8	NR	<1.6	NR	NR	<0.69	NR	1.7			
Acetone	27.200	2,400,000	22	13	740	15	99	14	77	18	14	19	8.8	7.0	4.5	75	
Benzene	1.57	32,000	0.84	0.64	<14	0.52	2.4 *	0.47 J	1.5	0.75	0.57	0.78	0.51	0.56	0.39 J	0.83	
Carbon Tetrachloride	2.04	63,000	0.49 J	0.46 J	<27	0.50 J	<2.5	0.49 J	<2.5	0.51 J	0.33 J	0.49 J	0.41 J	0.52 J	0.45 J	<1.3	
Carbon disulfide	613	20,000	NR	NR	<53	NR	<3.1	NR	<3.1	NR	NR	NR	1.3 J	NR	2.2		
Chloroform	0.533	240,000	0.24 J	0.31 J	<21	<0.77	<2.0	<0.82	<2.0	0.18 J	0.35 J	0.12 J	0.19 J	<0.82	<0.98		
Chloromethane	78.8	100,000	NR	NR	<88	NR	<2.6	NR	<2.6	NR	NR	NR	0.93	NR	1.2		
Cyclohexane	5,260	1,050,000	NR	NR	530	NR	1.5	NR	<1.4	NR	NR	NR	0.57 J	NR	1.1		
1,1-Dichloroethane	7.67	400,000	0.63 J	<0.52	<17	<0.64	<1.6	<0.68	<1.6	0.30 J	<0.59	<0.65	<0.63	<0.68	<0.68	<0.79	
1,1-Dichloroethene	175	200,000	19	2.8	<17	<0.63	<1.6	<0.67	<1.6	8.0	2.1	<0.64	<0.61	<0.67	<0.81		
1,2 Dichloroethane	0.472	50,000	NR	NR	<17	NR	<1.6	NR	<1.6	NR	NR	NR	<0.68	NR	<0.80		
cis-1,2-Dichloroethene	NE	790,000 ^c	8.6	2.1	<17	<0.63	<1.6	<0.67	<1.6	4.9	1.4	<0.64	<0.61	<0.67	<0.79		
Dichlorodifluoromethane (Freon 12)	87.6	NE	NR	NR	<21	NR	<1.6	NR	<1.6	NR	NR	NR	2.4	NR	3.8		
Ethylbenzene	4.91	435,000	0.68 J	3.6	99 *	0.21 J	<1.7	0.17 J	<1.7	0.68 J	3.0	0.68 J	0.41 J	<0.73	<0.73	1.0	
Methylene Chloride	526	350,000	1.2	1.9	3800 *	0.20 J	<3.5	0.32 J	4.2	2.2	4.5	0.99 J	1.2	5.6	0.31 J	4.8	
Methyl Ethyl Ketone	4,380	590,000	NR	NR	680	NR	3.6	NR	<2.9	NR	NR	NR	1.7 J	NR	7.6		
Tetrachloroethene	35	690,000	160	20	6.1 J	0.48 J	3.7	0.37 J	<2.7	59	15	7.4	0.81 J	0.42 J	<1.1	<1.4	
Toluene	4,380	375,000	4.0	5.5	210	2.1	7.8 J	2.4	3.9 J	3.9	6.3	4.2	3.5	1.3	0.74	13	
1,1,1-Trichloroethane	4,380	1,900,000	5.6	0.97	<23	<0.86	<2.2	<0.92	<2.2	1.7	0.51 J	1.7	<0.84	<0.92	<0.92	1.7	
Trichloroethene	1.75	535,000	46	7.3	<23	<0.85	<2.1	0.22 J	3.5	20	7.6	0.60 J	<0.83	<0.90	<0.90	<1.1	
Trichlorofluoromethane (Freon 11)	NE	NE	NR	NR	<24	NR	<2.2	NR	<2.2	NR	NR	NR	1.3	NR	1.6		
Vinyl Chloride	2.79	3,800	<0.43	<0.33	<11	<0.40	<1.0	<0.43	<1.0	<0.43	<0.37	<0.41	<0.40	<0.43	<0.43	<0.51	
m,p-Xylenes	87.6 ^c	435,000	1.9	14	440 *	0.52 J	<4.3	0.49 J	<4.3	1.9	12	1.8	0.94	1.3	<0.73	3.6	
o-Xylene	87.6 ^c	435,000	0.61 J	3.8	92 *	0.20 J	<1.7	0.25 J	<1.7	0.55 J	2.8	0.57 J	0.28 J	0.26 J	<0.73	0.99	
Xylenes (Total)	87.6 ^c	NE	2.51 J	17.8 J	532 J *	0.72 J	<6.1	0.74 J	<6.1	2.45 J	14.8 J	1.37 J	1.22 J	1.56 J	<1.47	4.6	

Notes:

a North Carolina Division of Waste Management (DWM) Non-Residential Vapor Intrusion Screening Table - Indoor Air Screening Levels (IASL) (October 2016).

b Occupational Safety and Health Administration (OSHA) - Permissible Exposure Level (PEL), 8-hour weighted average.

c Screening value is for the individual m-, o-, and p- isomers and for total xylenes.

 $\mu\text{g}/\text{m}^3$ Micrograms per cubic meter

<0.41 Constituent was not detected above the reporting limit.

NE Indoor air quality criteria is not established.

NR Indicates the constituent was not reported in the laboratory data package.

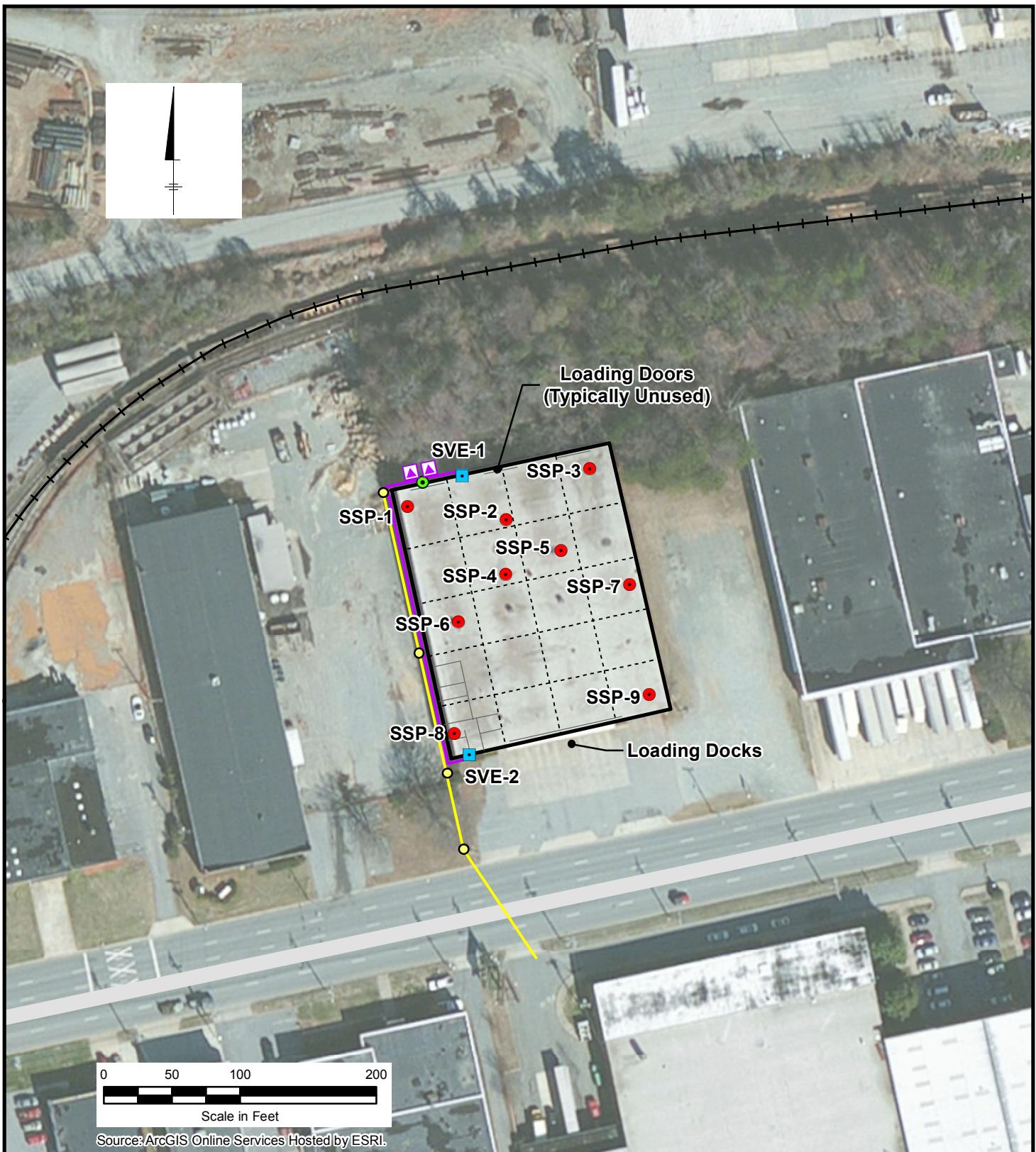
J Compound concentration is qualified as estimated.

Indicates sampling occurred during operation of the Sub Slab (SSD) System. SSD Start-up occurred on December 10, 2012.

Indicates the constituent exceeded the DWM IASL.

* Indicates compound exceeding IASL appears to be a result of site operations, not vapor intrusion. The concentrations are therefore comparable to the OSHA PELs, not the IASLs. No compounds exceeded the OSHA PELs.

Figures



Legend

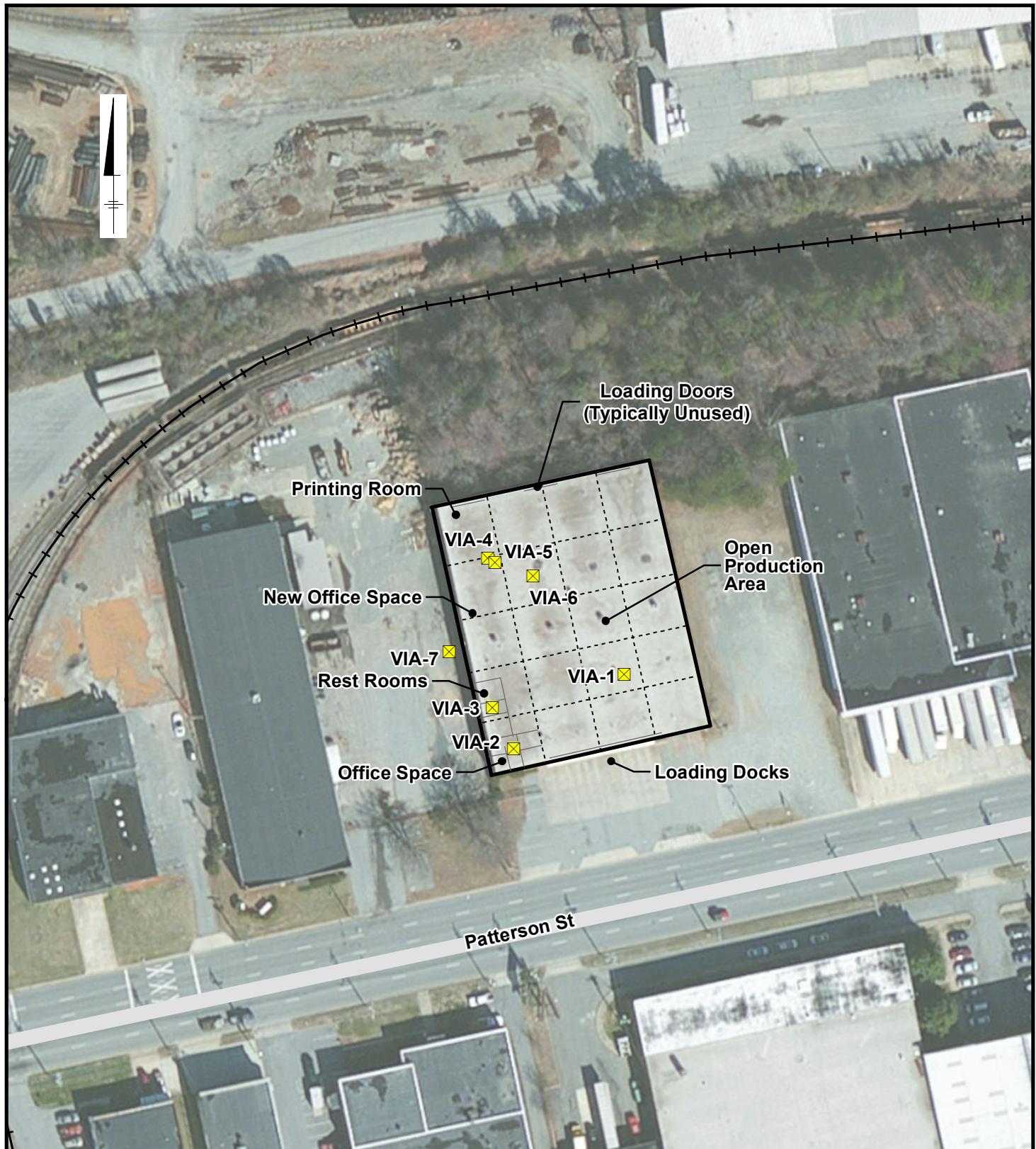
- Sub-Slab Vapor Extraction Well
- Sub-Slab Port (SSP)
- Power Pole
- Exhaust Discharge Location (Above Roof-Line)
- Blower
- Building
- Seam
- Interior Walls
- Extraction Line
- Overhead Power Line
- Railroad Tracks

JOHNSTON PROPERTIES FACILITY
2800 PATTERSON STREET
GREENSBORO, NORTH CAROLINA

Full-Scale SSD System Layout

ARCADIS

Design & Consultancy
for natural and
built assets



Legend

- Air Sample Location
- Building
- - - Seam
- Interior Walls
- + + Railroad Tracks



Source: ArcGIS Online Services Hosted by ESRI.

JOHNSTON PROPERTIES FACILITY
2800 PATTERSON STREET
GREENSBORO, NORTH CAROLINA

Indoor Air Sample Locations

 **ARCADIS**

Design & Consultancy
for natural and
built assets

Attachment 1

Air Sample Laboratory Data Package
April 2017

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Burlington

30 Community Drive

Suite 11

South Burlington, VT 05403

Tel: (802)660-1990

TestAmerica Job ID: 200-38312-1

Client Project/Site: Ashland Greensboro

For:

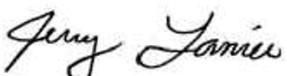
ARCADIS U.S., Inc.

2410 Paces Ferry Road

Suite 400

Atlanta, Georgia 30339

Attn: Mr. David M Wilderman



Authorized for release by:

5/3/2017 5:01:14 PM

Jerry Lanier, Project Manager I

(912)354-7858 e.3410

jerry.lanier@testamericainc.com

LINKS

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Expert

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www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Case Narrative

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Job ID: 200-38312-1

Laboratory: TestAmerica Burlington

Narrative

CASE NARRATIVE

Client: ARCADIS U.S., Inc.

Project: Ashland Greensboro

Report Number: 200-38312-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In the event of interference or analytes present at high concentrations, samples may be diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

RECEIPT

The samples were received on 04/21/2017; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS

Samples VIA-2 (200-38312-1), VIA-3 (200-38312-2), VIA-5 (200-38312-3), VIA-7 (200-38312-4) and Dup-1 (041917) (200-38312-5) were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 04/24/2017, 04/25/2017 and 04/26/2017.

The continuing calibration verification (CCV) associated with batch 116039 recovered above the upper control limit for Bromoform. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Samples VIA-2 (200-38312-1)[2.99X], VIA-3 (200-38312-2)[2X], VIA-5 (200-38312-3)[2X] and Dup-1 (041917) (200-38312-5)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Sample Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-38312-1	VIA-2	Air	04/19/17 17:05	04/21/17 10:15
200-38312-2	VIA-3	Air	04/19/17 17:06	04/21/17 10:15
200-38312-3	VIA-5	Air	04/19/17 17:10	04/21/17 10:15
200-38312-4	VIA-7	Air	04/19/17 17:15	04/21/17 10:15
200-38312-5	Dup-1 (041917)	Air	04/19/17 17:11	04/21/17 10:15

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TestAmerica Burlington

Method Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

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Definitions/Glossary

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Glossary

Abbreviation These commonly used abbreviations may or may not be present in this report.

□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: VIA-2

Lab Sample ID: 200-38312-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	14		1.5		ppb v/v	2.99		TO-15	Total/NA
Acetone	52		15		ppb v/v	2.99		TO-15	Total/NA
n-Hexane	13		0.60		ppb v/v	2.99		TO-15	Total/NA
Methyl Ethyl Ketone	5.5		1.5		ppb v/v	2.99		TO-15	Total/NA
Benzene	1.3		0.60		ppb v/v	2.99		TO-15	Total/NA
1,2-Dichloroethane	1.4		0.60		ppb v/v	2.99		TO-15	Total/NA
Toluene	2.3		0.60		ppb v/v	2.99		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	34		3.6		ug/m3	2.99		TO-15	Total/NA
Acetone	120		36		ug/m3	2.99		TO-15	Total/NA
n-Hexane	47		2.1		ug/m3	2.99		TO-15	Total/NA
Methyl Ethyl Ketone	16		4.4		ug/m3	2.99		TO-15	Total/NA
Benzene	4.0		1.9		ug/m3	2.99		TO-15	Total/NA
1,2-Dichloroethane	5.8		2.4		ug/m3	2.99		TO-15	Total/NA
Toluene	8.8		2.3		ug/m3	2.99		TO-15	Total/NA

Client Sample ID: VIA-3

Lab Sample ID: 200-38312-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	20		1.0		ppb v/v	2		TO-15	Total/NA
1,3-Butadiene	0.41		0.40		ppb v/v	2		TO-15	Total/NA
Acetone	79		10		ppb v/v	2		TO-15	Total/NA
Methylene Chloride	1.5		1.0		ppb v/v	2		TO-15	Total/NA
n-Hexane	15		0.40		ppb v/v	2		TO-15	Total/NA
Methyl Ethyl Ketone	7.3		1.0		ppb v/v	2		TO-15	Total/NA
Chloroform	0.44		0.40		ppb v/v	2		TO-15	Total/NA
Cyclohexane	0.48		0.40		ppb v/v	2		TO-15	Total/NA
Benzene	1.5		0.40		ppb v/v	2		TO-15	Total/NA
1,2-Dichloroethane	1.6		0.40		ppb v/v	2		TO-15	Total/NA
n-Heptane	0.47		0.40		ppb v/v	2		TO-15	Total/NA
Toluene	3.1		0.40		ppb v/v	2		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	46		2.4		ug/m3	2		TO-15	Total/NA
1,3-Butadiene	0.92		0.88		ug/m3	2		TO-15	Total/NA
Acetone	190		24		ug/m3	2		TO-15	Total/NA
Methylene Chloride	5.2		3.5		ug/m3	2		TO-15	Total/NA
n-Hexane	53		1.4		ug/m3	2		TO-15	Total/NA
Methyl Ethyl Ketone	21		2.9		ug/m3	2		TO-15	Total/NA
Chloroform	2.2		2.0		ug/m3	2		TO-15	Total/NA
Cyclohexane	1.6		1.4		ug/m3	2		TO-15	Total/NA
Benzene	4.7		1.3		ug/m3	2		TO-15	Total/NA
1,2-Dichloroethane	6.6		1.6		ug/m3	2		TO-15	Total/NA
n-Heptane	1.9		1.6		ug/m3	2		TO-15	Total/NA
Toluene	12		1.5		ug/m3	2		TO-15	Total/NA

Client Sample ID: VIA-5

Lab Sample ID: 200-38312-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	9.9		1.0		ppb v/v	2		TO-15	Total/NA
Acetone	42		10		ppb v/v	2		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Burlington

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: VIA-5 (Continued)

Lab Sample ID: 200-38312-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Hexane	12		0.40		ppb v/v	2		TO-15	Total/NA
Methyl Ethyl Ketone	1.2		1.0		ppb v/v	2		TO-15	Total/NA
Cyclohexane	0.43		0.40		ppb v/v	2		TO-15	Total/NA
Benzene	0.75		0.40		ppb v/v	2		TO-15	Total/NA
n-Heptane	0.43		0.40		ppb v/v	2		TO-15	Total/NA
Toluene	2.1		0.40		ppb v/v	2		TO-15	Total/NA
Tetrachloroethene	0.55		0.40		ppb v/v	2		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	23		2.4		ug/m3	2		TO-15	Total/NA
Acetone	99		24		ug/m3	2		TO-15	Total/NA
n-Hexane	41		1.4		ug/m3	2		TO-15	Total/NA
Methyl Ethyl Ketone	3.6		2.9		ug/m3	2		TO-15	Total/NA
Cyclohexane	1.5		1.4		ug/m3	2		TO-15	Total/NA
Benzene	2.4		1.3		ug/m3	2		TO-15	Total/NA
n-Heptane	1.8		1.6		ug/m3	2		TO-15	Total/NA
Toluene	7.8		1.5		ug/m3	2		TO-15	Total/NA
Tetrachloroethene	3.7		2.7		ug/m3	2		TO-15	Total/NA

Client Sample ID: VIA-7

Lab Sample ID: 200-38312-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.77		0.50		ppb v/v	1		TO-15	Total/NA
Chloromethane	0.58		0.50		ppb v/v	1		TO-15	Total/NA
n-Butane	27		0.50		ppb v/v	1		TO-15	Total/NA
Trichlorodifluoromethane	0.28		0.20		ppb v/v	1		TO-15	Total/NA
Acetone	31		5.0		ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.70		0.50		ppb v/v	1		TO-15	Total/NA
Methylene Chloride	1.4		0.50		ppb v/v	1		TO-15	Total/NA
n-Hexane	2.4		0.20		ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	2.6		0.50		ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.31		0.20		ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.33		0.20		ppb v/v	1		TO-15	Total/NA
Benzene	0.26		0.20		ppb v/v	1		TO-15	Total/NA
n-Heptane	0.41		0.20		ppb v/v	1		TO-15	Total/NA
Toluene	3.4		0.20		ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.24		0.20		ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.83		0.50		ppb v/v	1		TO-15	Total/NA
Xylene, o-	0.23		0.20		ppb v/v	1		TO-15	Total/NA
Xylene (total)	1.1		0.70		ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	3.8		2.5		ug/m3	1		TO-15	Total/NA
Chloromethane	1.2		1.0		ug/m3	1		TO-15	Total/NA
n-Butane	64		1.2		ug/m3	1		TO-15	Total/NA
Trichlorodifluoromethane	1.6		1.1		ug/m3	1		TO-15	Total/NA
Acetone	75		12		ug/m3	1		TO-15	Total/NA
Carbon disulfide	2.2		1.6		ug/m3	1		TO-15	Total/NA
Methylene Chloride	4.8		1.7		ug/m3	1		TO-15	Total/NA
n-Hexane	8.4		0.70		ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	7.6		1.5		ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	1.7		1.1		ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Burlington

Detection Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: VIA-7 (Continued)

Lab Sample ID: 200-38312-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	1.1		0.69		ug/m3	1		TO-15	Total/NA
Benzene	0.83		0.64		ug/m3	1		TO-15	Total/NA
n-Heptane	1.7		0.82		ug/m3	1		TO-15	Total/NA
Toluene	13		0.75		ug/m3	1		TO-15	Total/NA
Ethylbenzene	1.0		0.87		ug/m3	1		TO-15	Total/NA
m,p-Xylene	3.6		2.2		ug/m3	1		TO-15	Total/NA
Xylene, o-	0.99		0.87		ug/m3	1		TO-15	Total/NA
Xylene (total)	4.6		3.0		ug/m3	1		TO-15	Total/NA

Client Sample ID: Dup-1 (041917)

Lab Sample ID: 200-38312-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	7.4		1.0		ppb v/v	2		TO-15	Total/NA
Acetone	33		10		ppb v/v	2		TO-15	Total/NA
Methylene Chloride	1.2		1.0		ppb v/v	2		TO-15	Total/NA
n-Hexane	7.4		0.40		ppb v/v	2		TO-15	Total/NA
Benzene	0.46		0.40		ppb v/v	2		TO-15	Total/NA
Trichloroethene	0.64		0.40		ppb v/v	2		TO-15	Total/NA
Toluene	1.0		0.40		ppb v/v	2		TO-15	Total/NA
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	18		2.4		ug/m3	2		TO-15	Total/NA
Acetone	77		24		ug/m3	2		TO-15	Total/NA
Methylene Chloride	4.2		3.5		ug/m3	2		TO-15	Total/NA
n-Hexane	26		1.4		ug/m3	2		TO-15	Total/NA
Benzene	1.5		1.3		ug/m3	2		TO-15	Total/NA
Trichloroethene	3.5		2.1		ug/m3	2		TO-15	Total/NA
Toluene	3.9		1.5		ug/m3	2		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Burlington

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: VIA-2

Date Collected: 04/19/17 17:05

Date Received: 04/21/17 10:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-1

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<1.5		1.5		ppb v/v			04/25/17 18:01	2.99
Freon 22	<1.5		1.5		ppb v/v			04/25/17 18:01	2.99
1,2-Dichlortetrafluoroethane	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Chloromethane	<1.5		1.5		ppb v/v			04/25/17 18:01	2.99
n-Butane	14		1.5		ppb v/v			04/25/17 18:01	2.99
Vinyl chloride	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
1,3-Butadiene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Bromomethane	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Chloroethane	<1.5		1.5		ppb v/v			04/25/17 18:01	2.99
Bromoethene(Vinyl Bromide)	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Trichlorofluoromethane	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Freon TF	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
1,1-Dichloroethene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Acetone	52		15		ppb v/v			04/25/17 18:01	2.99
Isopropyl alcohol	<15		15		ppb v/v			04/25/17 18:01	2.99
Carbon disulfide	<1.5		1.5		ppb v/v			04/25/17 18:01	2.99
3-Chloropropene	<1.5		1.5		ppb v/v			04/25/17 18:01	2.99
Methylene Chloride	<1.5		1.5		ppb v/v			04/25/17 18:01	2.99
tert-Butyl alcohol	<15		15		ppb v/v			04/25/17 18:01	2.99
Methyl tert-butyl ether	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
trans-1,2-Dichloroethene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
n-Hexane	13		0.60		ppb v/v			04/25/17 18:01	2.99
1,1-Dichloroethane	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Methyl Ethyl Ketone	5.5		1.5		ppb v/v			04/25/17 18:01	2.99
cis-1,2-Dichloroethene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
1,2-Dichloroethene, Total	<1.2		1.2		ppb v/v			04/25/17 18:01	2.99
Chloroform	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Tetrahydrofuran	<15		15		ppb v/v			04/25/17 18:01	2.99
1,1,1-Trichloroethane	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Cyclohexane	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Carbon tetrachloride	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
2,2,4-Trimethylpentane	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Benzene	1.3		0.60		ppb v/v			04/25/17 18:01	2.99
1,2-Dichloroethane	1.4		0.60		ppb v/v			04/25/17 18:01	2.99
n-Heptane	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Trichloroethene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Methyl methacrylate	<1.5		1.5		ppb v/v			04/25/17 18:01	2.99
1,2-Dichloropropane	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
1,4-Dioxane	<15		15		ppb v/v			04/25/17 18:01	2.99
Bromodichloromethane	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
cis-1,3-Dichloropropene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
methyl isobutyl ketone	<1.5		1.5		ppb v/v			04/25/17 18:01	2.99
Toluene	2.3		0.60		ppb v/v			04/25/17 18:01	2.99
trans-1,3-Dichloropropene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
1,1,2-Trichloroethane	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Tetrachloroethene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Methyl Butyl Ketone (2-Hexanone)	<1.5		1.5		ppb v/v			04/25/17 18:01	2.99
Dibromochloromethane	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99

TestAmerica Burlington

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: VIA-2

Date Collected: 04/19/17 17:05

Date Received: 04/21/17 10:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-1

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Chlorobenzene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Ethylbenzene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
m,p-Xylene	<1.5		1.5		ppb v/v			04/25/17 18:01	2.99
Xylene, o-	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Xylene (total)	<2.1		2.1		ppb v/v			04/25/17 18:01	2.99
Styrene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Bromoform	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Cumene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
1,1,2,2-Tetrachloroethane	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
n-Propylbenzene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
4-Ethyltoluene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
1,3,5-Trimethylbenzene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
2-Chlorotoluene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
tert-Butylbenzene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
1,2,4-Trimethylbenzene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
sec-Butylbenzene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
4-Isopropyltoluene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
1,3-Dichlorobenzene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
1,4-Dichlorobenzene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Benzyl chloride	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
n-Butylbenzene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
1,2-Dichlorobenzene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
1,2,4-Trichlorobenzene	<1.5		1.5		ppb v/v			04/25/17 18:01	2.99
Hexachlorobutadiene	<0.60		0.60		ppb v/v			04/25/17 18:01	2.99
Naphthalene	<1.5		1.5		ppb v/v			04/25/17 18:01	2.99

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<7.4		7.4		ug/m3			04/25/17 18:01	2.99
Freon 22	<5.3		5.3		ug/m3			04/25/17 18:01	2.99
1,2-Dichlorotetrafluoroethane	<4.2		4.2		ug/m3			04/25/17 18:01	2.99
Chloromethane	<3.1		3.1		ug/m3			04/25/17 18:01	2.99
n-Butane	34		3.6		ug/m3			04/25/17 18:01	2.99
Vinyl chloride	<1.5		1.5		ug/m3			04/25/17 18:01	2.99
1,3-Butadiene	<1.3		1.3		ug/m3			04/25/17 18:01	2.99
Bromomethane	<2.3		2.3		ug/m3			04/25/17 18:01	2.99
Chloroethane	<3.9		3.9		ug/m3			04/25/17 18:01	2.99
Bromoethene(Vinyl Bromide)	<2.6		2.6		ug/m3			04/25/17 18:01	2.99
Trichlorofluoromethane	<3.4		3.4		ug/m3			04/25/17 18:01	2.99
Freon TF	<4.6		4.6		ug/m3			04/25/17 18:01	2.99
1,1-Dichloroethene	<2.4		2.4		ug/m3			04/25/17 18:01	2.99
Acetone	120		36		ug/m3			04/25/17 18:01	2.99
Isopropyl alcohol	<37		37		ug/m3			04/25/17 18:01	2.99
Carbon disulfide	<4.7		4.7		ug/m3			04/25/17 18:01	2.99
3-Chloropropene	<4.7		4.7		ug/m3			04/25/17 18:01	2.99
Methylene Chloride	<5.2		5.2		ug/m3			04/25/17 18:01	2.99
tert-Butyl alcohol	<45		45		ug/m3			04/25/17 18:01	2.99
Methyl tert-butyl ether	<2.2		2.2		ug/m3			04/25/17 18:01	2.99
trans-1,2-Dichloroethene	<2.4		2.4		ug/m3			04/25/17 18:01	2.99

TestAmerica Burlington

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: VIA-2

Lab Sample ID: 200-38312-1

Date Collected: 04/19/17 17:05

Matrix: Air

Date Received: 04/21/17 10:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	47		2.1		ug/m3			04/25/17 18:01	2.99
1,1-Dichloroethane	<2.4		2.4		ug/m3			04/25/17 18:01	2.99
Methyl Ethyl Ketone	16		4.4		ug/m3			04/25/17 18:01	2.99
cis-1,2-Dichloroethene	<2.4		2.4		ug/m3			04/25/17 18:01	2.99
1,2-Dichloroethene, Total	<4.7		4.7		ug/m3			04/25/17 18:01	2.99
Chloroform	<2.9		2.9		ug/m3			04/25/17 18:01	2.99
Tetrahydrofuran	<44		44		ug/m3			04/25/17 18:01	2.99
1,1,1-Trichloroethane	<3.3		3.3		ug/m3			04/25/17 18:01	2.99
Cyclohexane	<2.1		2.1		ug/m3			04/25/17 18:01	2.99
Carbon tetrachloride	<3.8		3.8		ug/m3			04/25/17 18:01	2.99
2,2,4-Trimethylpentane	<2.8		2.8		ug/m3			04/25/17 18:01	2.99
Benzene	4.0		1.9		ug/m3			04/25/17 18:01	2.99
1,2-Dichloroethane	5.8		2.4		ug/m3			04/25/17 18:01	2.99
n-Heptane	<2.5		2.5		ug/m3			04/25/17 18:01	2.99
Trichloroethene	<3.2		3.2		ug/m3			04/25/17 18:01	2.99
Methyl methacrylate	<6.1		6.1		ug/m3			04/25/17 18:01	2.99
1,2-Dichloropropane	<2.8		2.8		ug/m3			04/25/17 18:01	2.99
1,4-Dioxane	<54		54		ug/m3			04/25/17 18:01	2.99
Bromodichloromethane	<4.0		4.0		ug/m3			04/25/17 18:01	2.99
cis-1,3-Dichloropropene	<2.7		2.7		ug/m3			04/25/17 18:01	2.99
methyl isobutyl ketone	<6.1		6.1		ug/m3			04/25/17 18:01	2.99
Toluene	8.8		2.3		ug/m3			04/25/17 18:01	2.99
trans-1,3-Dichloropropene	<2.7		2.7		ug/m3			04/25/17 18:01	2.99
1,1,2-Trichloroethane	<3.3		3.3		ug/m3			04/25/17 18:01	2.99
Tetrachloroethene	<4.1		4.1		ug/m3			04/25/17 18:01	2.99
Methyl Butyl Ketone (2-Hexanone)	<6.1		6.1		ug/m3			04/25/17 18:01	2.99
Dibromochloromethane	<5.1		5.1		ug/m3			04/25/17 18:01	2.99
1,2-Dibromoethane	<4.6		4.6		ug/m3			04/25/17 18:01	2.99
Chlorobenzene	<2.8		2.8		ug/m3			04/25/17 18:01	2.99
Ethylbenzene	<2.6		2.6		ug/m3			04/25/17 18:01	2.99
m,p-Xylene	<6.5		6.5		ug/m3			04/25/17 18:01	2.99
Xylene, o-	<2.6		2.6		ug/m3			04/25/17 18:01	2.99
Xylene (total)	<9.1		9.1		ug/m3			04/25/17 18:01	2.99
Styrene	<2.5		2.5		ug/m3			04/25/17 18:01	2.99
Bromoform	<6.2		6.2		ug/m3			04/25/17 18:01	2.99
Cumene	<2.9		2.9		ug/m3			04/25/17 18:01	2.99
1,1,2,2-Tetrachloroethane	<4.1		4.1		ug/m3			04/25/17 18:01	2.99
n-Propylbenzene	<2.9		2.9		ug/m3			04/25/17 18:01	2.99
4-Ethyltoluene	<2.9		2.9		ug/m3			04/25/17 18:01	2.99
1,3,5-Trimethylbenzene	<2.9		2.9		ug/m3			04/25/17 18:01	2.99
2-Chlorotoluene	<3.1		3.1		ug/m3			04/25/17 18:01	2.99
tert-Butylbenzene	<3.3		3.3		ug/m3			04/25/17 18:01	2.99
1,2,4-Trimethylbenzene	<2.9		2.9		ug/m3			04/25/17 18:01	2.99
sec-Butylbenzene	<3.3		3.3		ug/m3			04/25/17 18:01	2.99
4-Isopropyltoluene	<3.3		3.3		ug/m3			04/25/17 18:01	2.99
1,3-Dichlorobenzene	<3.6		3.6		ug/m3			04/25/17 18:01	2.99
1,4-Dichlorobenzene	<3.6		3.6		ug/m3			04/25/17 18:01	2.99
Benzyl chloride	<3.1		3.1		ug/m3			04/25/17 18:01	2.99

TestAmerica Burlington

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: VIA-2

Date Collected: 04/19/17 17:05

Date Received: 04/21/17 10:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-1

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	<3.3		3.3		ug/m3			04/25/17 18:01	2.99
1,2-Dichlorobenzene	<3.6		3.6		ug/m3			04/25/17 18:01	2.99
1,2,4-Trichlorobenzene	<11		11		ug/m3			04/25/17 18:01	2.99
Hexachlorobutadiene	<6.4		6.4		ug/m3			04/25/17 18:01	2.99
Naphthalene	<7.8		7.8		ug/m3			04/25/17 18:01	2.99

Client Sample ID: VIA-3

Date Collected: 04/19/17 17:06

Date Received: 04/21/17 10:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-2

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<1.0		1.0		ppb v/v			04/24/17 16:45	2
Freon 22	<1.0		1.0		ppb v/v			04/24/17 16:45	2
1,2-Dichlortetrafluoroethane	<0.40		0.40		ppb v/v			04/24/17 16:45	2
Chloromethane	<1.0		1.0		ppb v/v			04/24/17 16:45	2
n-Butane	20		1.0		ppb v/v			04/24/17 16:45	2
Vinyl chloride	<0.40		0.40		ppb v/v			04/24/17 16:45	2
1,3-Butadiene	0.41		0.40		ppb v/v			04/24/17 16:45	2
Bromomethane	<0.40		0.40		ppb v/v			04/24/17 16:45	2
Chloroethane	<1.0		1.0		ppb v/v			04/24/17 16:45	2
Bromoethene(Vinyl Bromide)	<0.40		0.40		ppb v/v			04/24/17 16:45	2
Trichlorofluoromethane	<0.40		0.40		ppb v/v			04/24/17 16:45	2
Freon TF	<0.40		0.40		ppb v/v			04/24/17 16:45	2
1,1-Dichloroethene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
Acetone	79		10		ppb v/v			04/24/17 16:45	2
Isopropyl alcohol	<10		10		ppb v/v			04/24/17 16:45	2
Carbon disulfide	<1.0		1.0		ppb v/v			04/24/17 16:45	2
3-Chloropropene	<1.0		1.0		ppb v/v			04/24/17 16:45	2
Methylene Chloride	1.5		1.0		ppb v/v			04/24/17 16:45	2
tert-Butyl alcohol	<10		10		ppb v/v			04/24/17 16:45	2
Methyl tert-butyl ether	<0.40		0.40		ppb v/v			04/24/17 16:45	2
trans-1,2-Dichloroethene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
n-Hexane	15		0.40		ppb v/v			04/24/17 16:45	2
1,1-Dichloroethane	<0.40		0.40		ppb v/v			04/24/17 16:45	2
Methyl Ethyl Ketone	7.3		1.0		ppb v/v			04/24/17 16:45	2
cis-1,2-Dichloroethene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
1,2-Dichloroethene, Total	<0.80		0.80		ppb v/v			04/24/17 16:45	2
Chloroform	0.44		0.40		ppb v/v			04/24/17 16:45	2
Tetrahydrofuran	<10		10		ppb v/v			04/24/17 16:45	2
1,1,1-Trichloroethane	<0.40		0.40		ppb v/v			04/24/17 16:45	2
Cyclohexane	0.48		0.40		ppb v/v			04/24/17 16:45	2
Carbon tetrachloride	<0.40		0.40		ppb v/v			04/24/17 16:45	2
2,2,4-Trimethylpentane	<0.40		0.40		ppb v/v			04/24/17 16:45	2
Benzene	1.5		0.40		ppb v/v			04/24/17 16:45	2
1,2-Dichloroethane	1.6		0.40		ppb v/v			04/24/17 16:45	2
n-Heptane	0.47		0.40		ppb v/v			04/24/17 16:45	2
Trichloroethene	<0.40		0.40		ppb v/v			04/24/17 16:45	2

TestAmerica Burlington

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: VIA-3

Date Collected: 04/19/17 17:06

Date Received: 04/21/17 10:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-2

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl methacrylate	<1.0		1.0		ppb v/v			04/24/17 16:45	2
1,2-Dichloropropane	<0.40		0.40		ppb v/v			04/24/17 16:45	2
1,4-Dioxane	<10		10		ppb v/v			04/24/17 16:45	2
Bromodichloromethane	<0.40		0.40		ppb v/v			04/24/17 16:45	2
cis-1,3-Dichloropropene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
methyl isobutyl ketone	<1.0		1.0		ppb v/v			04/24/17 16:45	2
Toluene	3.1		0.40		ppb v/v			04/24/17 16:45	2
trans-1,3-Dichloropropene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
1,1,2-Trichloroethane	<0.40		0.40		ppb v/v			04/24/17 16:45	2
Tetrachloroethylene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
Methyl Butyl Ketone (2-Hexanone)	<1.0		1.0		ppb v/v			04/24/17 16:45	2
Dibromochloromethane	<0.40		0.40		ppb v/v			04/24/17 16:45	2
1,2-Dibromoethane	<0.40		0.40		ppb v/v			04/24/17 16:45	2
Chlorobenzene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
Ethylbenzene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
m,p-Xylene	<1.0		1.0		ppb v/v			04/24/17 16:45	2
Xylene, o-	<0.40		0.40		ppb v/v			04/24/17 16:45	2
Xylene (total)	<1.4		1.4		ppb v/v			04/24/17 16:45	2
Styrene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
Bromoform	<0.40		0.40		ppb v/v			04/24/17 16:45	2
Cumene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
1,1,2,2-Tetrachloroethane	<0.40		0.40		ppb v/v			04/24/17 16:45	2
n-Propylbenzene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
4-Ethyltoluene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
1,3,5-Trimethylbenzene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
2-Chlorotoluene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
tert-Butylbenzene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
1,2,4-Trimethylbenzene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
sec-Butylbenzene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
4-Isopropyltoluene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
1,3-Dichlorobenzene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
1,4-Dichlorobenzene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
Benzyl chloride	<0.40		0.40		ppb v/v			04/24/17 16:45	2
n-Butylbenzene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
1,2-Dichlorobenzene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
1,2,4-Trichlorobenzene	<1.0		1.0		ppb v/v			04/24/17 16:45	2
Hexachlorobutadiene	<0.40		0.40		ppb v/v			04/24/17 16:45	2
Naphthalene	<1.0		1.0		ppb v/v			04/24/17 16:45	2
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<4.9		4.9		ug/m3			04/24/17 16:45	2
Freon 22	<3.5		3.5		ug/m3			04/24/17 16:45	2
1,2-Dichlorotetrafluoroethane	<2.8		2.8		ug/m3			04/24/17 16:45	2
Chloromethane	<2.1		2.1		ug/m3			04/24/17 16:45	2
n-Butane	46		2.4		ug/m3			04/24/17 16:45	2
Vinyl chloride	<1.0		1.0		ug/m3			04/24/17 16:45	2
1,3-Butadiene	0.92		0.88		ug/m3			04/24/17 16:45	2
Bromomethane	<1.6		1.6		ug/m3			04/24/17 16:45	2
Chloroethane	<2.6		2.6		ug/m3			04/24/17 16:45	2

TestAmerica Burlington

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: VIA-3

Date Collected: 04/19/17 17:06

Date Received: 04/21/17 10:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-2

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoethene(Vinyl Bromide)	<1.7		1.7		ug/m ³			04/24/17 16:45	2
Trichlorofluoromethane	<2.2		2.2		ug/m ³			04/24/17 16:45	2
Freon TF	<3.1		3.1		ug/m ³			04/24/17 16:45	2
1,1-Dichloroethene	<1.6		1.6		ug/m ³			04/24/17 16:45	2
Acetone	190		24		ug/m ³			04/24/17 16:45	2
Isopropyl alcohol	<25		25		ug/m ³			04/24/17 16:45	2
Carbon disulfide	<3.1		3.1		ug/m ³			04/24/17 16:45	2
3-Chloropropene	<3.1		3.1		ug/m ³			04/24/17 16:45	2
Methylene Chloride	5.2		3.5		ug/m ³			04/24/17 16:45	2
tert-Butyl alcohol	<30		30		ug/m ³			04/24/17 16:45	2
Methyl tert-butyl ether	<1.4		1.4		ug/m ³			04/24/17 16:45	2
trans-1,2-Dichloroethene	<1.6		1.6		ug/m ³			04/24/17 16:45	2
n-Hexane	53		1.4		ug/m ³			04/24/17 16:45	2
1,1-Dichloroethane	<1.6		1.6		ug/m ³			04/24/17 16:45	2
Methyl Ethyl Ketone	21		2.9		ug/m ³			04/24/17 16:45	2
cis-1,2-Dichloroethene	<1.6		1.6		ug/m ³			04/24/17 16:45	2
1,2-Dichloroethene, Total	<3.2		3.2		ug/m ³			04/24/17 16:45	2
Chloroform	2.2		2.0		ug/m ³			04/24/17 16:45	2
Tetrahydrofuran	<29		29		ug/m ³			04/24/17 16:45	2
1,1,1-Trichloroethane	<2.2		2.2		ug/m ³			04/24/17 16:45	2
Cyclohexane	1.6		1.4		ug/m ³			04/24/17 16:45	2
Carbon tetrachloride	<2.5		2.5		ug/m ³			04/24/17 16:45	2
2,2,4-Trimethylpentane	<1.9		1.9		ug/m ³			04/24/17 16:45	2
Benzene	4.7		1.3		ug/m ³			04/24/17 16:45	2
1,2-Dichloroethane	6.6		1.6		ug/m ³			04/24/17 16:45	2
n-Heptane	1.9		1.6		ug/m ³			04/24/17 16:45	2
Trichloroethene	<2.1		2.1		ug/m ³			04/24/17 16:45	2
Methyl methacrylate	<4.1		4.1		ug/m ³			04/24/17 16:45	2
1,2-Dichloropropane	<1.8		1.8		ug/m ³			04/24/17 16:45	2
1,4-Dioxane	<36		36		ug/m ³			04/24/17 16:45	2
Bromodichloromethane	<2.7		2.7		ug/m ³			04/24/17 16:45	2
cis-1,3-Dichloropropene	<1.8		1.8		ug/m ³			04/24/17 16:45	2
methyl isobutyl ketone	<4.1		4.1		ug/m ³			04/24/17 16:45	2
Toluene	12		1.5		ug/m ³			04/24/17 16:45	2
trans-1,3-Dichloropropene	<1.8		1.8		ug/m ³			04/24/17 16:45	2
1,1,2-Trichloroethane	<2.2		2.2		ug/m ³			04/24/17 16:45	2
Tetrachloroethene	<2.7		2.7		ug/m ³			04/24/17 16:45	2
Methyl Butyl Ketone (2-Hexanone)	<4.1		4.1		ug/m ³			04/24/17 16:45	2
Dibromochloromethane	<3.4		3.4		ug/m ³			04/24/17 16:45	2
1,2-Dibromoethane	<3.1		3.1		ug/m ³			04/24/17 16:45	2
Chlorobenzene	<1.8		1.8		ug/m ³			04/24/17 16:45	2
Ethylbenzene	<1.7		1.7		ug/m ³			04/24/17 16:45	2
m,p-Xylene	<4.3		4.3		ug/m ³			04/24/17 16:45	2
Xylene, o-	<1.7		1.7		ug/m ³			04/24/17 16:45	2
Xylene (total)	<6.1		6.1		ug/m ³			04/24/17 16:45	2
Styrene	<1.7		1.7		ug/m ³			04/24/17 16:45	2
Bromoform	<4.1		4.1		ug/m ³			04/24/17 16:45	2
Cumene	<2.0		2.0		ug/m ³			04/24/17 16:45	2

TestAmerica Burlington

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: VIA-3

Date Collected: 04/19/17 17:06

Date Received: 04/21/17 10:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-2

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	<2.7		2.7		ug/m ³			04/24/17 16:45	2
n-Propylbenzene	<2.0		2.0		ug/m ³			04/24/17 16:45	2
4-Ethyltoluene	<2.0		2.0		ug/m ³			04/24/17 16:45	2
1,3,5-Trimethylbenzene	<2.0		2.0		ug/m ³			04/24/17 16:45	2
2-Chlorotoluene	<2.1		2.1		ug/m ³			04/24/17 16:45	2
tert-Butylbenzene	<2.2		2.2		ug/m ³			04/24/17 16:45	2
1,2,4-Trimethylbenzene	<2.0		2.0		ug/m ³			04/24/17 16:45	2
sec-Butylbenzene	<2.2		2.2		ug/m ³			04/24/17 16:45	2
4-Isopropyltoluene	<2.2		2.2		ug/m ³			04/24/17 16:45	2
1,3-Dichlorobenzene	<2.4		2.4		ug/m ³			04/24/17 16:45	2
1,4-Dichlorobenzene	<2.4		2.4		ug/m ³			04/24/17 16:45	2
Benzyl chloride	<2.1		2.1		ug/m ³			04/24/17 16:45	2
n-Butylbenzene	<2.2		2.2		ug/m ³			04/24/17 16:45	2
1,2-Dichlorobenzene	<2.4		2.4		ug/m ³			04/24/17 16:45	2
1,2,4-Trichlorobenzene	<7.4		7.4		ug/m ³			04/24/17 16:45	2
Hexachlorobutadiene	<4.3		4.3		ug/m ³			04/24/17 16:45	2
Naphthalene	<5.2		5.2		ug/m ³			04/24/17 16:45	2

Client Sample ID: VIA-5

Date Collected: 04/19/17 17:10

Date Received: 04/21/17 10:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-3

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<1.0		1.0		ppb v/v			04/25/17 18:53	2
Freon 22	<1.0		1.0		ppb v/v			04/25/17 18:53	2
1,2-Dichlorotetrafluoroethane	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Chloromethane	<1.0		1.0		ppb v/v			04/25/17 18:53	2
n-Butane	9.9		1.0		ppb v/v			04/25/17 18:53	2
Vinyl chloride	<0.40		0.40		ppb v/v			04/25/17 18:53	2
1,3-Butadiene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Bromomethane	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Chloroethane	<1.0		1.0		ppb v/v			04/25/17 18:53	2
Bromoethene(Vinyl Bromide)	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Trichlorofluoromethane	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Freon TF	<0.40		0.40		ppb v/v			04/25/17 18:53	2
1,1-Dichloroethene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Acetone	42		10		ppb v/v			04/25/17 18:53	2
Isopropyl alcohol	<10		10		ppb v/v			04/25/17 18:53	2
Carbon disulfide	<1.0		1.0		ppb v/v			04/25/17 18:53	2
3-Chloropropene	<1.0		1.0		ppb v/v			04/25/17 18:53	2
Methylene Chloride	<1.0		1.0		ppb v/v			04/25/17 18:53	2
tert-Butyl alcohol	<10		10		ppb v/v			04/25/17 18:53	2
Methyl tert-butyl ether	<0.40		0.40		ppb v/v			04/25/17 18:53	2
trans-1,2-Dichloroethene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
n-Hexane	12		0.40		ppb v/v			04/25/17 18:53	2
1,1-Dichloroethane	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Methyl Ethyl Ketone	1.2		1.0		ppb v/v			04/25/17 18:53	2

TestAmerica Burlington

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: VIA-5

Date Collected: 04/19/17 17:10

Date Received: 04/21/17 10:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-3

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
1,2-Dichloroethene, Total	<0.80		0.80		ppb v/v			04/25/17 18:53	2
Chloroform	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Tetrahydrofuran	<10		10		ppb v/v			04/25/17 18:53	2
1,1,1-Trichloroethane	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Cyclohexane	0.43		0.40		ppb v/v			04/25/17 18:53	2
Carbon tetrachloride	<0.40		0.40		ppb v/v			04/25/17 18:53	2
2,2,4-Trimethylpentane	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Benzene	0.75		0.40		ppb v/v			04/25/17 18:53	2
1,2-Dichloroethane	<0.40		0.40		ppb v/v			04/25/17 18:53	2
n-Heptane	0.43		0.40		ppb v/v			04/25/17 18:53	2
Trichloroethene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Methyl methacrylate	<1.0		1.0		ppb v/v			04/25/17 18:53	2
1,2-Dichloropropane	<0.40		0.40		ppb v/v			04/25/17 18:53	2
1,4-Dioxane	<10		10		ppb v/v			04/25/17 18:53	2
Bromodichloromethane	<0.40		0.40		ppb v/v			04/25/17 18:53	2
cis-1,3-Dichloropropene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
methyl isobutyl ketone	<1.0		1.0		ppb v/v			04/25/17 18:53	2
Toluene	2.1		0.40		ppb v/v			04/25/17 18:53	2
trans-1,3-Dichloropropene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
1,1,2-Trichloroethane	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Tetrachloroethene	0.55		0.40		ppb v/v			04/25/17 18:53	2
Methyl Butyl Ketone (2-Hexanone)	<1.0		1.0		ppb v/v			04/25/17 18:53	2
Dibromochloromethane	<0.40		0.40		ppb v/v			04/25/17 18:53	2
1,2-Dibromoethane	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Chlorobenzene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Ethylbenzene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
m,p-Xylene	<1.0		1.0		ppb v/v			04/25/17 18:53	2
Xylene, o-	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Xylene (total)	<1.4		1.4		ppb v/v			04/25/17 18:53	2
Styrene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Bromoform	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Cumene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
1,1,2,2-Tetrachloroethane	<0.40		0.40		ppb v/v			04/25/17 18:53	2
n-Propylbenzene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
4-Ethyltoluene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
1,3,5-Trimethylbenzene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
2-Chlorotoluene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
tert-Butylbenzene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
1,2,4-Trimethylbenzene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
sec-Butylbenzene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
4-Isopropyltoluene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
1,3-Dichlorobenzene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
1,4-Dichlorobenzene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Benzyl chloride	<0.40		0.40		ppb v/v			04/25/17 18:53	2
n-Butylbenzene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
1,2-Dichlorobenzene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
1,2,4-Trichlorobenzene	<1.0		1.0		ppb v/v			04/25/17 18:53	2

TestAmerica Burlington

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: VIA-5

Date Collected: 04/19/17 17:10

Date Received: 04/21/17 10:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-3

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	<0.40		0.40		ppb v/v			04/25/17 18:53	2
Naphthalene	<1.0		1.0		ppb v/v			04/25/17 18:53	2
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<4.9		4.9		ug/m3			04/25/17 18:53	2
Freon 22	<3.5		3.5		ug/m3			04/25/17 18:53	2
1,2-Dichlorotetrafluoroethane	<2.8		2.8		ug/m3			04/25/17 18:53	2
Chloromethane	<2.1		2.1		ug/m3			04/25/17 18:53	2
n-Butane	23		2.4		ug/m3			04/25/17 18:53	2
Vinyl chloride	<1.0		1.0		ug/m3			04/25/17 18:53	2
1,3-Butadiene	<0.88		0.88		ug/m3			04/25/17 18:53	2
Bromomethane	<1.6		1.6		ug/m3			04/25/17 18:53	2
Chloroethane	<2.6		2.6		ug/m3			04/25/17 18:53	2
Bromoethene(Vinyl Bromide)	<1.7		1.7		ug/m3			04/25/17 18:53	2
Trichlorofluoromethane	<2.2		2.2		ug/m3			04/25/17 18:53	2
Freon TF	<3.1		3.1		ug/m3			04/25/17 18:53	2
1,1-Dichloroethene	<1.6		1.6		ug/m3			04/25/17 18:53	2
Acetone	99		24		ug/m3			04/25/17 18:53	2
Isopropyl alcohol	<25		25		ug/m3			04/25/17 18:53	2
Carbon disulfide	<3.1		3.1		ug/m3			04/25/17 18:53	2
3-Chloropropene	<3.1		3.1		ug/m3			04/25/17 18:53	2
Methylene Chloride	<3.5		3.5		ug/m3			04/25/17 18:53	2
tert-Butyl alcohol	<30		30		ug/m3			04/25/17 18:53	2
Methyl tert-butyl ether	<1.4		1.4		ug/m3			04/25/17 18:53	2
trans-1,2-Dichloroethene	<1.6		1.6		ug/m3			04/25/17 18:53	2
n-Hexane	41		1.4		ug/m3			04/25/17 18:53	2
1,1-Dichloroethane	<1.6		1.6		ug/m3			04/25/17 18:53	2
Methyl Ethyl Ketone	3.6		2.9		ug/m3			04/25/17 18:53	2
cis-1,2-Dichloroethene	<1.6		1.6		ug/m3			04/25/17 18:53	2
1,2-Dichloroethene, Total	<3.2		3.2		ug/m3			04/25/17 18:53	2
Chloroform	<2.0		2.0		ug/m3			04/25/17 18:53	2
Tetrahydrofuran	<29		29		ug/m3			04/25/17 18:53	2
1,1,1-Trichloroethane	<2.2		2.2		ug/m3			04/25/17 18:53	2
Cyclohexane	1.5		1.4		ug/m3			04/25/17 18:53	2
Carbon tetrachloride	<2.5		2.5		ug/m3			04/25/17 18:53	2
2,2,4-Trimethylpentane	<1.9		1.9		ug/m3			04/25/17 18:53	2
Benzene	2.4		1.3		ug/m3			04/25/17 18:53	2
1,2-Dichloroethane	<1.6		1.6		ug/m3			04/25/17 18:53	2
n-Heptane	1.8		1.6		ug/m3			04/25/17 18:53	2
Trichloroethene	<2.1		2.1		ug/m3			04/25/17 18:53	2
Methyl methacrylate	<4.1		4.1		ug/m3			04/25/17 18:53	2
1,2-Dichloropropane	<1.8		1.8		ug/m3			04/25/17 18:53	2
1,4-Dioxane	<36		36		ug/m3			04/25/17 18:53	2
Bromodichloromethane	<2.7		2.7		ug/m3			04/25/17 18:53	2
cis-1,3-Dichloropropene	<1.8		1.8		ug/m3			04/25/17 18:53	2
methyl isobutyl ketone	<4.1		4.1		ug/m3			04/25/17 18:53	2
Toluene	7.8		1.5		ug/m3			04/25/17 18:53	2
trans-1,3-Dichloropropene	<1.8		1.8		ug/m3			04/25/17 18:53	2
1,1,2-Trichloroethane	<2.2		2.2		ug/m3			04/25/17 18:53	2

TestAmerica Burlington

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: VIA-5

Date Collected: 04/19/17 17:10

Date Received: 04/21/17 10:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-3

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	3.7		2.7		ug/m ³			04/25/17 18:53	2
Methyl Butyl Ketone (2-Hexanone)	<4.1		4.1		ug/m ³			04/25/17 18:53	2
Dibromochloromethane	<3.4		3.4		ug/m ³			04/25/17 18:53	2
1,2-Dibromoethane	<3.1		3.1		ug/m ³			04/25/17 18:53	2
Chlorobenzene	<1.8		1.8		ug/m ³			04/25/17 18:53	2
Ethylbenzene	<1.7		1.7		ug/m ³			04/25/17 18:53	2
m,p-Xylene	<4.3		4.3		ug/m ³			04/25/17 18:53	2
Xylene, o-	<1.7		1.7		ug/m ³			04/25/17 18:53	2
Xylene (total)	<6.1		6.1		ug/m ³			04/25/17 18:53	2
Styrene	<1.7		1.7		ug/m ³			04/25/17 18:53	2
Bromoform	<4.1		4.1		ug/m ³			04/25/17 18:53	2
Cumene	<2.0		2.0		ug/m ³			04/25/17 18:53	2
1,1,2,2-Tetrachloroethane	<2.7		2.7		ug/m ³			04/25/17 18:53	2
n-Propylbenzene	<2.0		2.0		ug/m ³			04/25/17 18:53	2
4-Ethyltoluene	<2.0		2.0		ug/m ³			04/25/17 18:53	2
1,3,5-Trimethylbenzene	<2.0		2.0		ug/m ³			04/25/17 18:53	2
2-Chlorotoluene	<2.1		2.1		ug/m ³			04/25/17 18:53	2
tert-Butylbenzene	<2.2		2.2		ug/m ³			04/25/17 18:53	2
1,2,4-Trimethylbenzene	<2.0		2.0		ug/m ³			04/25/17 18:53	2
sec-Butylbenzene	<2.2		2.2		ug/m ³			04/25/17 18:53	2
4-Isopropyltoluene	<2.2		2.2		ug/m ³			04/25/17 18:53	2
1,3-Dichlorobenzene	<2.4		2.4		ug/m ³			04/25/17 18:53	2
1,4-Dichlorobenzene	<2.4		2.4		ug/m ³			04/25/17 18:53	2
Benzyl chloride	<2.1		2.1		ug/m ³			04/25/17 18:53	2
n-Butylbenzene	<2.2		2.2		ug/m ³			04/25/17 18:53	2
1,2-Dichlorobenzene	<2.4		2.4		ug/m ³			04/25/17 18:53	2
1,2,4-Trichlorobenzene	<7.4		7.4		ug/m ³			04/25/17 18:53	2
Hexachlorobutadiene	<4.3		4.3		ug/m ³			04/25/17 18:53	2
Naphthalene	<5.2		5.2		ug/m ³			04/25/17 18:53	2

Client Sample ID: VIA-7

Date Collected: 04/19/17 17:15

Date Received: 04/21/17 10:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-4

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.77		0.50		ppb v/v			04/24/17 18:25	1
Freon 22	<0.50		0.50		ppb v/v			04/24/17 18:25	1
1,2-Dichlorotetrafluoroethane	<0.20		0.20		ppb v/v			04/24/17 18:25	1
Chloromethane	0.58		0.50		ppb v/v			04/24/17 18:25	1
n-Butane	27		0.50		ppb v/v			04/24/17 18:25	1
Vinyl chloride	<0.20		0.20		ppb v/v			04/24/17 18:25	1
1,3-Butadiene	<0.20		0.20		ppb v/v			04/24/17 18:25	1
Bromomethane	<0.20		0.20		ppb v/v			04/24/17 18:25	1
Chloroethane	<0.50		0.50		ppb v/v			04/24/17 18:25	1
Bromoethene(Vinyl Bromide)	<0.20		0.20		ppb v/v			04/24/17 18:25	1
Trichlorofluoromethane	0.28		0.20		ppb v/v			04/24/17 18:25	1
Freon TF	<0.20		0.20		ppb v/v			04/24/17 18:25	1

TestAmerica Burlington

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: VIA-7

Date Collected: 04/19/17 17:15

Date Received: 04/21/17 10:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-4

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	<0.20		0.20		ppb v/v		04/24/17 18:25		1
Acetone	31		5.0		ppb v/v		04/24/17 18:25		1
Isopropyl alcohol	<5.0		5.0		ppb v/v		04/24/17 18:25		1
Carbon disulfide	0.70		0.50		ppb v/v		04/24/17 18:25		1
3-Chloropropene	<0.50		0.50		ppb v/v		04/24/17 18:25		1
Methylene Chloride	1.4		0.50		ppb v/v		04/24/17 18:25		1
tert-Butyl alcohol	<5.0		5.0		ppb v/v		04/24/17 18:25		1
Methyl tert-butyl ether	<0.20		0.20		ppb v/v		04/24/17 18:25		1
trans-1,2-Dichloroethene	<0.20		0.20		ppb v/v		04/24/17 18:25		1
n-Hexane	2.4		0.20		ppb v/v		04/24/17 18:25		1
1,1-Dichloroethane	<0.20		0.20		ppb v/v		04/24/17 18:25		1
Methyl Ethyl Ketone	2.6		0.50		ppb v/v		04/24/17 18:25		1
cis-1,2-Dichloroethene	<0.20		0.20		ppb v/v		04/24/17 18:25		1
1,2-Dichloroethene, Total	<0.40		0.40		ppb v/v		04/24/17 18:25		1
Chloroform	<0.20		0.20		ppb v/v		04/24/17 18:25		1
Tetrahydrofuran	<5.0		5.0		ppb v/v		04/24/17 18:25		1
1,1,1-Trichloroethane	0.31		0.20		ppb v/v		04/24/17 18:25		1
Cyclohexane	0.33		0.20		ppb v/v		04/24/17 18:25		1
Carbon tetrachloride	<0.20		0.20		ppb v/v		04/24/17 18:25		1
2,2,4-Trimethylpentane	<0.20		0.20		ppb v/v		04/24/17 18:25		1
Benzene	0.26		0.20		ppb v/v		04/24/17 18:25		1
1,2-Dichloroethane	<0.20		0.20		ppb v/v		04/24/17 18:25		1
n-Heptane	0.41		0.20		ppb v/v		04/24/17 18:25		1
Trichloroethene	<0.20		0.20		ppb v/v		04/24/17 18:25		1
Methyl methacrylate	<0.50		0.50		ppb v/v		04/24/17 18:25		1
1,2-Dichloropropane	<0.20		0.20		ppb v/v		04/24/17 18:25		1
1,4-Dioxane	<5.0		5.0		ppb v/v		04/24/17 18:25		1
Bromodichloromethane	<0.20		0.20		ppb v/v		04/24/17 18:25		1
cis-1,3-Dichloropropene	<0.20		0.20		ppb v/v		04/24/17 18:25		1
methyl isobutyl ketone	<0.50		0.50		ppb v/v		04/24/17 18:25		1
Toluene	3.4		0.20		ppb v/v		04/24/17 18:25		1
trans-1,3-Dichloropropene	<0.20		0.20		ppb v/v		04/24/17 18:25		1
1,1,2-Trichloroethane	<0.20		0.20		ppb v/v		04/24/17 18:25		1
Tetrachloroethene	<0.20		0.20		ppb v/v		04/24/17 18:25		1
Methyl Butyl Ketone (2-Hexanone)	<0.50		0.50		ppb v/v		04/24/17 18:25		1
Dibromochloromethane	<0.20		0.20		ppb v/v		04/24/17 18:25		1
1,2-Dibromoethane	<0.20		0.20		ppb v/v		04/24/17 18:25		1
Chlorobenzene	<0.20		0.20		ppb v/v		04/24/17 18:25		1
Ethylbenzene	0.24		0.20		ppb v/v		04/24/17 18:25		1
m,p-Xylene	0.83		0.50		ppb v/v		04/24/17 18:25		1
Xylene, o-	0.23		0.20		ppb v/v		04/24/17 18:25		1
Xylene (total)	1.1		0.70		ppb v/v		04/24/17 18:25		1
Styrene	<0.20		0.20		ppb v/v		04/24/17 18:25		1
Bromoform	<0.20		0.20		ppb v/v		04/24/17 18:25		1
Cumene	<0.20		0.20		ppb v/v		04/24/17 18:25		1
1,1,2,2-Tetrachloroethane	<0.20		0.20		ppb v/v		04/24/17 18:25		1
n-Propylbenzene	<0.20		0.20		ppb v/v		04/24/17 18:25		1
4-Ethyltoluene	<0.20		0.20		ppb v/v		04/24/17 18:25		1

TestAmerica Burlington

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: VIA-7

Date Collected: 04/19/17 17:15

Date Received: 04/21/17 10:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-4

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<0.20		0.20		ppb v/v			04/24/17 18:25	1
2-Chlorotoluene	<0.20		0.20		ppb v/v			04/24/17 18:25	1
tert-Butylbenzene	<0.20		0.20		ppb v/v			04/24/17 18:25	1
1,2,4-Trimethylbenzene	<0.20		0.20		ppb v/v			04/24/17 18:25	1
sec-Butylbenzene	<0.20		0.20		ppb v/v			04/24/17 18:25	1
4-Isopropyltoluene	<0.20		0.20		ppb v/v			04/24/17 18:25	1
1,3-Dichlorobenzene	<0.20		0.20		ppb v/v			04/24/17 18:25	1
1,4-Dichlorobenzene	<0.20		0.20		ppb v/v			04/24/17 18:25	1
Benzyl chloride	<0.20		0.20		ppb v/v			04/24/17 18:25	1
n-Butylbenzene	<0.20		0.20		ppb v/v			04/24/17 18:25	1
1,2-Dichlorobenzene	<0.20		0.20		ppb v/v			04/24/17 18:25	1
1,2,4-Trichlorobenzene	<0.50		0.50		ppb v/v			04/24/17 18:25	1
Hexachlorobutadiene	<0.20		0.20		ppb v/v			04/24/17 18:25	1
Naphthalene	<0.50		0.50		ppb v/v			04/24/17 18:25	1
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	3.8		2.5		ug/m ³			04/24/17 18:25	1
Freon 22	<1.8		1.8		ug/m ³			04/24/17 18:25	1
1,2-Dichlortetrafluoroethane	<1.4		1.4		ug/m ³			04/24/17 18:25	1
Chloromethane	1.2		1.0		ug/m ³			04/24/17 18:25	1
n-Butane	64		1.2		ug/m ³			04/24/17 18:25	1
Vinyl chloride	<0.51		0.51		ug/m ³			04/24/17 18:25	1
1,3-Butadiene	<0.44		0.44		ug/m ³			04/24/17 18:25	1
Bromomethane	<0.78		0.78		ug/m ³			04/24/17 18:25	1
Chloroethane	<1.3		1.3		ug/m ³			04/24/17 18:25	1
Bromoethene(Vinyl Bromide)	<0.87		0.87		ug/m ³			04/24/17 18:25	1
Trichlorofluoromethane	1.6		1.1		ug/m ³			04/24/17 18:25	1
Freon TF	<1.5		1.5		ug/m ³			04/24/17 18:25	1
1,1-Dichloroethene	<0.79		0.79		ug/m ³			04/24/17 18:25	1
Acetone	75		12		ug/m ³			04/24/17 18:25	1
Isopropyl alcohol	<12		12		ug/m ³			04/24/17 18:25	1
Carbon disulfide	2.2		1.6		ug/m ³			04/24/17 18:25	1
3-Chloropropene	<1.6		1.6		ug/m ³			04/24/17 18:25	1
Methylene Chloride	4.8		1.7		ug/m ³			04/24/17 18:25	1
tert-Butyl alcohol	<15		15		ug/m ³			04/24/17 18:25	1
Methyl tert-butyl ether	<0.72		0.72		ug/m ³			04/24/17 18:25	1
trans-1,2-Dichloroethene	<0.79		0.79		ug/m ³			04/24/17 18:25	1
n-Hexane	8.4		0.70		ug/m ³			04/24/17 18:25	1
1,1-Dichloroethane	<0.81		0.81		ug/m ³			04/24/17 18:25	1
Methyl Ethyl Ketone	7.6		1.5		ug/m ³			04/24/17 18:25	1
cis-1,2-Dichloroethene	<0.79		0.79		ug/m ³			04/24/17 18:25	1
1,2-Dichloroethene, Total	<1.6		1.6		ug/m ³			04/24/17 18:25	1
Chloroform	<0.98		0.98		ug/m ³			04/24/17 18:25	1
Tetrahydrofuran	<15		15		ug/m ³			04/24/17 18:25	1
1,1,1-Trichloroethane	1.7		1.1		ug/m ³			04/24/17 18:25	1
Cyclohexane	1.1		0.69		ug/m ³			04/24/17 18:25	1
Carbon tetrachloride	<1.3		1.3		ug/m ³			04/24/17 18:25	1
2,2,4-Trimethylpentane	<0.93		0.93		ug/m ³			04/24/17 18:25	1
Benzene	0.83		0.64		ug/m ³			04/24/17 18:25	1

TestAmerica Burlington

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: VIA-7

Date Collected: 04/19/17 17:15

Date Received: 04/21/17 10:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-4

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	<0.81		0.81		ug/m3			04/24/17 18:25	1
n-Heptane	1.7		0.82		ug/m3			04/24/17 18:25	1
Trichloroethene	<1.1		1.1		ug/m3			04/24/17 18:25	1
Methyl methacrylate	<2.0		2.0		ug/m3			04/24/17 18:25	1
1,2-Dichloropropane	<0.92		0.92		ug/m3			04/24/17 18:25	1
1,4-Dioxane	<18		18		ug/m3			04/24/17 18:25	1
Bromodichloromethane	<1.3		1.3		ug/m3			04/24/17 18:25	1
cis-1,3-Dichloropropene	<0.91		0.91		ug/m3			04/24/17 18:25	1
methyl isobutyl ketone	<2.0		2.0		ug/m3			04/24/17 18:25	1
Toluene	13		0.75		ug/m3			04/24/17 18:25	1
trans-1,3-Dichloropropene	<0.91		0.91		ug/m3			04/24/17 18:25	1
1,1,2-Trichloroethane	<1.1		1.1		ug/m3			04/24/17 18:25	1
Tetrachloroethylene	<1.4		1.4		ug/m3			04/24/17 18:25	1
Methyl Butyl Ketone (2-Hexanone)	<2.0		2.0		ug/m3			04/24/17 18:25	1
Dibromochloromethane	<1.7		1.7		ug/m3			04/24/17 18:25	1
1,2-Dibromoethane	<1.5		1.5		ug/m3			04/24/17 18:25	1
Chlorobenzene	<0.92		0.92		ug/m3			04/24/17 18:25	1
Ethylbenzene	1.0		0.87		ug/m3			04/24/17 18:25	1
m,p-Xylene	3.6		2.2		ug/m3			04/24/17 18:25	1
Xylene, o-	0.99		0.87		ug/m3			04/24/17 18:25	1
Xylene (total)	4.6		3.0		ug/m3			04/24/17 18:25	1
Styrene	<0.85		0.85		ug/m3			04/24/17 18:25	1
Bromoform	<2.1		2.1		ug/m3			04/24/17 18:25	1
Cumene	<0.98		0.98		ug/m3			04/24/17 18:25	1
1,1,2,2-Tetrachloroethane	<1.4		1.4		ug/m3			04/24/17 18:25	1
n-Propylbenzene	<0.98		0.98		ug/m3			04/24/17 18:25	1
4-Ethyltoluene	<0.98		0.98		ug/m3			04/24/17 18:25	1
1,3,5-Trimethylbenzene	<0.98		0.98		ug/m3			04/24/17 18:25	1
2-Chlorotoluene	<1.0		1.0		ug/m3			04/24/17 18:25	1
tert-Butylbenzene	<1.1		1.1		ug/m3			04/24/17 18:25	1
1,2,4-Trimethylbenzene	<0.98		0.98		ug/m3			04/24/17 18:25	1
sec-Butylbenzene	<1.1		1.1		ug/m3			04/24/17 18:25	1
4-Isopropyltoluene	<1.1		1.1		ug/m3			04/24/17 18:25	1
1,3-Dichlorobenzene	<1.2		1.2		ug/m3			04/24/17 18:25	1
1,4-Dichlorobenzene	<1.2		1.2		ug/m3			04/24/17 18:25	1
Benzyl chloride	<1.0		1.0		ug/m3			04/24/17 18:25	1
n-Butylbenzene	<1.1		1.1		ug/m3			04/24/17 18:25	1
1,2-Dichlorobenzene	<1.2		1.2		ug/m3			04/24/17 18:25	1
1,2,4-Trichlorobenzene	<3.7		3.7		ug/m3			04/24/17 18:25	1
Hexachlorobutadiene	<2.1		2.1		ug/m3			04/24/17 18:25	1
Naphthalene	<2.6		2.6		ug/m3			04/24/17 18:25	1

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: Dup-1 (041917)
Date Collected: 04/19/17 17:11
Date Received: 04/21/17 10:15
Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-5
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<1.0		1.0		ppb v/v			04/26/17 13:50	2
Freon 22	<1.0		1.0		ppb v/v			04/26/17 13:50	2
1,2-Dichlortetrafluoroethane	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Chloromethane	<1.0		1.0		ppb v/v			04/26/17 13:50	2
n-Butane	7.4		1.0		ppb v/v			04/26/17 13:50	2
Vinyl chloride	<0.40		0.40		ppb v/v			04/26/17 13:50	2
1,3-Butadiene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Bromomethane	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Chloroethane	<1.0		1.0		ppb v/v			04/26/17 13:50	2
Bromoethene(Vinyl Bromide)	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Trichlorofluoromethane	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Freon TF	<0.40		0.40		ppb v/v			04/26/17 13:50	2
1,1-Dichloroethene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Acetone	33		10		ppb v/v			04/26/17 13:50	2
Isopropyl alcohol	<10		10		ppb v/v			04/26/17 13:50	2
Carbon disulfide	<1.0		1.0		ppb v/v			04/26/17 13:50	2
3-Chloropropene	<1.0		1.0		ppb v/v			04/26/17 13:50	2
Methylene Chloride	1.2		1.0		ppb v/v			04/26/17 13:50	2
tert-Butyl alcohol	<10		10		ppb v/v			04/26/17 13:50	2
Methyl tert-butyl ether	<0.40		0.40		ppb v/v			04/26/17 13:50	2
trans-1,2-Dichloroethene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
n-Hexane	7.4		0.40		ppb v/v			04/26/17 13:50	2
1,1-Dichloroethane	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Methyl Ethyl Ketone	<1.0		1.0		ppb v/v			04/26/17 13:50	2
cis-1,2-Dichloroethene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
1,2-Dichloroethene, Total	<0.80		0.80		ppb v/v			04/26/17 13:50	2
Chloroform	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Tetrahydrofuran	<10		10		ppb v/v			04/26/17 13:50	2
1,1,1-Trichloroethane	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Cyclohexane	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Carbon tetrachloride	<0.40		0.40		ppb v/v			04/26/17 13:50	2
2,2,4-Trimethylpentane	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Benzene	0.46		0.40		ppb v/v			04/26/17 13:50	2
1,2-Dichloroethane	<0.40		0.40		ppb v/v			04/26/17 13:50	2
n-Heptane	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Trichloroethene	0.64		0.40		ppb v/v			04/26/17 13:50	2
Methyl methacrylate	<1.0		1.0		ppb v/v			04/26/17 13:50	2
1,2-Dichloropropane	<0.40		0.40		ppb v/v			04/26/17 13:50	2
1,4-Dioxane	<10		10		ppb v/v			04/26/17 13:50	2
Bromodichloromethane	<0.40		0.40		ppb v/v			04/26/17 13:50	2
cis-1,3-Dichloropropene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
methyl isobutyl ketone	<1.0		1.0		ppb v/v			04/26/17 13:50	2
Toluene	1.0		0.40		ppb v/v			04/26/17 13:50	2
trans-1,3-Dichloropropene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
1,1,2-Trichloroethane	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Tetrachloroethene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Methyl Butyl Ketone (2-Hexanone)	<1.0		1.0		ppb v/v			04/26/17 13:50	2
Dibromochloromethane	<0.40		0.40		ppb v/v			04/26/17 13:50	2

TestAmerica Burlington

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: Dup-1 (041917)
Date Collected: 04/19/17 17:11
Date Received: 04/21/17 10:15
Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-5
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Chlorobenzene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Ethylbenzene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
m,p-Xylene	<1.0		1.0		ppb v/v			04/26/17 13:50	2
Xylene, o-	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Xylene (total)	<1.4		1.4		ppb v/v			04/26/17 13:50	2
Styrene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Bromoform	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Cumene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
1,1,2,2-Tetrachloroethane	<0.40		0.40		ppb v/v			04/26/17 13:50	2
n-Propylbenzene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
4-Ethyltoluene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
1,3,5-Trimethylbenzene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
2-Chlorotoluene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
tert-Butylbenzene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
1,2,4-Trimethylbenzene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
sec-Butylbenzene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
4-Isopropyltoluene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
1,3-Dichlorobenzene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
1,4-Dichlorobenzene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Benzyl chloride	<0.40		0.40		ppb v/v			04/26/17 13:50	2
n-Butylbenzene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
1,2-Dichlorobenzene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
1,2,4-Trichlorobenzene	<1.0		1.0		ppb v/v			04/26/17 13:50	2
Hexachlorobutadiene	<0.40		0.40		ppb v/v			04/26/17 13:50	2
Naphthalene	<1.0		1.0		ppb v/v			04/26/17 13:50	2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<4.9		4.9		ug/m3			04/26/17 13:50	2
Freon 22	<3.5		3.5		ug/m3			04/26/17 13:50	2
1,2-Dichlorotetrafluoroethane	<2.8		2.8		ug/m3			04/26/17 13:50	2
Chloromethane	<2.1		2.1		ug/m3			04/26/17 13:50	2
n-Butane	18		2.4		ug/m3			04/26/17 13:50	2
Vinyl chloride	<1.0		1.0		ug/m3			04/26/17 13:50	2
1,3-Butadiene	<0.88		0.88		ug/m3			04/26/17 13:50	2
Bromomethane	<1.6		1.6		ug/m3			04/26/17 13:50	2
Chloroethane	<2.6		2.6		ug/m3			04/26/17 13:50	2
Bromoethene(Vinyl Bromide)	<1.7		1.7		ug/m3			04/26/17 13:50	2
Trichlorofluoromethane	<2.2		2.2		ug/m3			04/26/17 13:50	2
Freon TF	<3.1		3.1		ug/m3			04/26/17 13:50	2
1,1-Dichloroethene	<1.6		1.6		ug/m3			04/26/17 13:50	2
Acetone	77		24		ug/m3			04/26/17 13:50	2
Isopropyl alcohol	<25		25		ug/m3			04/26/17 13:50	2
Carbon disulfide	<3.1		3.1		ug/m3			04/26/17 13:50	2
3-Chloropropene	<3.1		3.1		ug/m3			04/26/17 13:50	2
Methylene Chloride	4.2		3.5		ug/m3			04/26/17 13:50	2
tert-Butyl alcohol	<30		30		ug/m3			04/26/17 13:50	2
Methyl tert-butyl ether	<1.4		1.4		ug/m3			04/26/17 13:50	2
trans-1,2-Dichloroethene	<1.6		1.6		ug/m3			04/26/17 13:50	2

TestAmerica Burlington

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: Dup-1 (041917)
Date Collected: 04/19/17 17:11
Date Received: 04/21/17 10:15
Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-5
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	26		1.4		ug/m3			04/26/17 13:50	2
1,1-Dichloroethane	<1.6		1.6		ug/m3			04/26/17 13:50	2
Methyl Ethyl Ketone	<2.9		2.9		ug/m3			04/26/17 13:50	2
cis-1,2-Dichloroethene	<1.6		1.6		ug/m3			04/26/17 13:50	2
1,2-Dichloroethene, Total	<3.2		3.2		ug/m3			04/26/17 13:50	2
Chloroform	<2.0		2.0		ug/m3			04/26/17 13:50	2
Tetrahydrofuran	<29		29		ug/m3			04/26/17 13:50	2
1,1,1-Trichloroethane	<2.2		2.2		ug/m3			04/26/17 13:50	2
Cyclohexane	<1.4		1.4		ug/m3			04/26/17 13:50	2
Carbon tetrachloride	<2.5		2.5		ug/m3			04/26/17 13:50	2
2,2,4-Trimethylpentane	<1.9		1.9		ug/m3			04/26/17 13:50	2
Benzene	1.5		1.3		ug/m3			04/26/17 13:50	2
1,2-Dichloroethane	<1.6		1.6		ug/m3			04/26/17 13:50	2
n-Heptane	<1.6		1.6		ug/m3			04/26/17 13:50	2
Trichloroethylene	3.5		2.1		ug/m3			04/26/17 13:50	2
Methyl methacrylate	<4.1		4.1		ug/m3			04/26/17 13:50	2
1,2-Dichloropropane	<1.8		1.8		ug/m3			04/26/17 13:50	2
1,4-Dioxane	<36		36		ug/m3			04/26/17 13:50	2
Bromodichloromethane	<2.7		2.7		ug/m3			04/26/17 13:50	2
cis-1,3-Dichloropropene	<1.8		1.8		ug/m3			04/26/17 13:50	2
methyl isobutyl ketone	<4.1		4.1		ug/m3			04/26/17 13:50	2
Toluene	3.9		1.5		ug/m3			04/26/17 13:50	2
trans-1,3-Dichloropropene	<1.8		1.8		ug/m3			04/26/17 13:50	2
1,1,2-Trichloroethane	<2.2		2.2		ug/m3			04/26/17 13:50	2
Tetrachloroethylene	<2.7		2.7		ug/m3			04/26/17 13:50	2
Methyl Butyl Ketone (2-Hexanone)	<4.1		4.1		ug/m3			04/26/17 13:50	2
Dibromochloromethane	<3.4		3.4		ug/m3			04/26/17 13:50	2
1,2-Dibromoethane	<3.1		3.1		ug/m3			04/26/17 13:50	2
Chlorobenzene	<1.8		1.8		ug/m3			04/26/17 13:50	2
Ethylbenzene	<1.7		1.7		ug/m3			04/26/17 13:50	2
m,p-Xylene	<4.3		4.3		ug/m3			04/26/17 13:50	2
Xylene, o-	<1.7		1.7		ug/m3			04/26/17 13:50	2
Xylene (total)	<6.1		6.1		ug/m3			04/26/17 13:50	2
Styrene	<1.7		1.7		ug/m3			04/26/17 13:50	2
Bromoform	<4.1		4.1		ug/m3			04/26/17 13:50	2
Cumene	<2.0		2.0		ug/m3			04/26/17 13:50	2
1,1,2,2-Tetrachloroethane	<2.7		2.7		ug/m3			04/26/17 13:50	2
n-Propylbenzene	<2.0		2.0		ug/m3			04/26/17 13:50	2
4-Ethyltoluene	<2.0		2.0		ug/m3			04/26/17 13:50	2
1,3,5-Trimethylbenzene	<2.0		2.0		ug/m3			04/26/17 13:50	2
2-Chlorotoluene	<2.1		2.1		ug/m3			04/26/17 13:50	2
tert-Butylbenzene	<2.2		2.2		ug/m3			04/26/17 13:50	2
1,2,4-Trimethylbenzene	<2.0		2.0		ug/m3			04/26/17 13:50	2
sec-Butylbenzene	<2.2		2.2		ug/m3			04/26/17 13:50	2
4-Isopropyltoluene	<2.2		2.2		ug/m3			04/26/17 13:50	2
1,3-Dichlorobenzene	<2.4		2.4		ug/m3			04/26/17 13:50	2
1,4-Dichlorobenzene	<2.4		2.4		ug/m3			04/26/17 13:50	2
Benzyl chloride	<2.1		2.1		ug/m3			04/26/17 13:50	2

TestAmerica Burlington

Client Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: Dup-1 (041917)
Date Collected: 04/19/17 17:11
Date Received: 04/21/17 10:15
Sample Container: Summa Canister 6L

Lab Sample ID: 200-38312-5
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	<2.2		2.2		ug/m3		04/26/17 13:50		2
1,2-Dichlorobenzene	<2.4		2.4		ug/m3		04/26/17 13:50		2
1,2,4-Trichlorobenzene	<7.4		7.4		ug/m3		04/26/17 13:50		2
Hexachlorobutadiene	<4.3		4.3		ug/m3		04/26/17 13:50		2
Naphthalene	<5.2		5.2		ug/m3		04/26/17 13:50		2

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TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-116039/4

Matrix: Air

Analysis Batch: 116039

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.50		0.50		ppb v/v		04/24/17 10:01		1
Freon 22	<0.50		0.50		ppb v/v		04/24/17 10:01		1
1,2-Dichlorotetrafluoroethane	<0.20		0.20		ppb v/v		04/24/17 10:01		1
Chloromethane	<0.50		0.50		ppb v/v		04/24/17 10:01		1
n-Butane	<0.50		0.50		ppb v/v		04/24/17 10:01		1
Vinyl chloride	<0.20		0.20		ppb v/v		04/24/17 10:01		1
1,3-Butadiene	<0.20		0.20		ppb v/v		04/24/17 10:01		1
Bromomethane	<0.20		0.20		ppb v/v		04/24/17 10:01		1
Chloroethane	<0.50		0.50		ppb v/v		04/24/17 10:01		1
Bromoethene(Vinyl Bromide)	<0.20		0.20		ppb v/v		04/24/17 10:01		1
Trichlorofluoromethane	<0.20		0.20		ppb v/v		04/24/17 10:01		1
Freon TF	<0.20		0.20		ppb v/v		04/24/17 10:01		1
1,1-Dichloroethene	<0.20		0.20		ppb v/v		04/24/17 10:01		1
Acetone	<5.0		5.0		ppb v/v		04/24/17 10:01		1
Isopropyl alcohol	<5.0		5.0		ppb v/v		04/24/17 10:01		1
Carbon disulfide	<0.50		0.50		ppb v/v		04/24/17 10:01		1
3-Chloropropene	<0.50		0.50		ppb v/v		04/24/17 10:01		1
Methylene Chloride	<0.50		0.50		ppb v/v		04/24/17 10:01		1
tert-Butyl alcohol	<5.0		5.0		ppb v/v		04/24/17 10:01		1
Methyl tert-butyl ether	<0.20		0.20		ppb v/v		04/24/17 10:01		1
trans-1,2-Dichloroethene	<0.20		0.20		ppb v/v		04/24/17 10:01		1
n-Hexane	<0.20		0.20		ppb v/v		04/24/17 10:01		1
1,1-Dichloroethane	<0.20		0.20		ppb v/v		04/24/17 10:01		1
Methyl Ethyl Ketone	<0.50		0.50		ppb v/v		04/24/17 10:01		1
cis-1,2-Dichloroethene	<0.20		0.20		ppb v/v		04/24/17 10:01		1
1,2-Dichloroethene, Total	<0.40		0.40		ppb v/v		04/24/17 10:01		1
Chloroform	<0.20		0.20		ppb v/v		04/24/17 10:01		1
Tetrahydrofuran	<5.0		5.0		ppb v/v		04/24/17 10:01		1
1,1,1-Trichloroethane	<0.20		0.20		ppb v/v		04/24/17 10:01		1
Cyclohexane	<0.20		0.20		ppb v/v		04/24/17 10:01		1
Carbon tetrachloride	<0.20		0.20		ppb v/v		04/24/17 10:01		1
2,2,4-Trimethylpentane	<0.20		0.20		ppb v/v		04/24/17 10:01		1
Benzene	<0.20		0.20		ppb v/v		04/24/17 10:01		1
1,2-Dichloroethane	<0.20		0.20		ppb v/v		04/24/17 10:01		1
n-Heptane	<0.20		0.20		ppb v/v		04/24/17 10:01		1
Trichloroethene	<0.20		0.20		ppb v/v		04/24/17 10:01		1
Methyl methacrylate	<0.50		0.50		ppb v/v		04/24/17 10:01		1
1,2-Dichloropropane	<0.20		0.20		ppb v/v		04/24/17 10:01		1
1,4-Dioxane	<5.0		5.0		ppb v/v		04/24/17 10:01		1
Bromodichloromethane	<0.20		0.20		ppb v/v		04/24/17 10:01		1
cis-1,3-Dichloropropene	<0.20		0.20		ppb v/v		04/24/17 10:01		1
methyl isobutyl ketone	<0.50		0.50		ppb v/v		04/24/17 10:01		1
Toluene	<0.20		0.20		ppb v/v		04/24/17 10:01		1
trans-1,3-Dichloropropene	<0.20		0.20		ppb v/v		04/24/17 10:01		1
1,1,2-Trichloroethane	<0.20		0.20		ppb v/v		04/24/17 10:01		1
Tetrachloroethene	<0.20		0.20		ppb v/v		04/24/17 10:01		1
Methyl Butyl Ketone (2-Hexanone)	<0.50		0.50		ppb v/v		04/24/17 10:01		1
Dibromochloromethane	<0.20		0.20		ppb v/v		04/24/17 10:01		1

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-116039/4

Matrix: Air

Analysis Batch: 116039

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
Chlorobenzene	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
Ethylbenzene	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
m,p-Xylene	<0.50		0.50		0.50	ppb v/v			04/24/17 10:01		1
Xylene, o-	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
Xylene (total)	<0.70		0.70		0.70	ppb v/v			04/24/17 10:01		1
Styrene	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
Bromoform	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
Cumene	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
1,1,2,2-Tetrachloroethane	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
n-Propylbenzene	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
4-Ethyltoluene	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
1,3,5-Trimethylbenzene	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
2-Chlorotoluene	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
tert-Butylbenzene	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
1,2,4-Trimethylbenzene	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
sec-Butylbenzene	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
4-Isopropyltoluene	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
1,3-Dichlorobenzene	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
1,4-Dichlorobenzene	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
Benzyl chloride	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
n-Butylbenzene	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
1,2-Dichlorobenzene	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
1,2,4-Trichlorobenzene	<0.50		0.50		0.50	ppb v/v			04/24/17 10:01		1
Hexachlorobutadiene	<0.20		0.20		0.20	ppb v/v			04/24/17 10:01		1
Naphthalene	<0.50		0.50		0.50	ppb v/v			04/24/17 10:01		1

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<2.5		2.5		2.5		ug/m3			04/24/17 10:01	1
Freon 22	<1.8		1.8		1.8		ug/m3			04/24/17 10:01	1
1,2-Dichlorotetrafluoroethane	<1.4		1.4		1.4		ug/m3			04/24/17 10:01	1
Chloromethane	<1.0		1.0		1.0		ug/m3			04/24/17 10:01	1
n-Butane	<1.2		1.2		1.2		ug/m3			04/24/17 10:01	1
Vinyl chloride	<0.51		0.51		0.51		ug/m3			04/24/17 10:01	1
1,3-Butadiene	<0.44		0.44		0.44		ug/m3			04/24/17 10:01	1
Bromomethane	<0.78		0.78		0.78		ug/m3			04/24/17 10:01	1
Chloroethane	<1.3		1.3		1.3		ug/m3			04/24/17 10:01	1
Bromoethene(Vinyl Bromide)	<0.87		0.87		0.87		ug/m3			04/24/17 10:01	1
Trichlorofluoromethane	<1.1		1.1		1.1		ug/m3			04/24/17 10:01	1
Freon TF	<1.5		1.5		1.5		ug/m3			04/24/17 10:01	1
1,1-Dichloroethene	<0.79		0.79		0.79		ug/m3			04/24/17 10:01	1
Acetone	<12		12		12		ug/m3			04/24/17 10:01	1
Isopropyl alcohol	<12		12		12		ug/m3			04/24/17 10:01	1
Carbon disulfide	<1.6		1.6		1.6		ug/m3			04/24/17 10:01	1
3-Chloropropene	<1.6		1.6		1.6		ug/m3			04/24/17 10:01	1
Methylene Chloride	<1.7		1.7		1.7		ug/m3			04/24/17 10:01	1
tert-Butyl alcohol	<15		15		15		ug/m3			04/24/17 10:01	1
Methyl tert-butyl ether	<0.72		0.72		0.72		ug/m3			04/24/17 10:01	1

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-116039/4

Matrix: Air

Analysis Batch: 116039

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	<0.79		0.79		ug/m3			04/24/17 10:01	1
n-Hexane	<0.70		0.70		ug/m3			04/24/17 10:01	1
1,1-Dichloroethane	<0.81		0.81		ug/m3			04/24/17 10:01	1
Methyl Ethyl Ketone	<1.5		1.5		ug/m3			04/24/17 10:01	1
cis-1,2-Dichloroethene	<0.79		0.79		ug/m3			04/24/17 10:01	1
1,2-Dichloroethene, Total	<1.6		1.6		ug/m3			04/24/17 10:01	1
Chloroform	<0.98		0.98		ug/m3			04/24/17 10:01	1
Tetrahydrofuran	<15		15		ug/m3			04/24/17 10:01	1
1,1,1-Trichloroethane	<1.1		1.1		ug/m3			04/24/17 10:01	1
Cyclohexane	<0.69		0.69		ug/m3			04/24/17 10:01	1
Carbon tetrachloride	<1.3		1.3		ug/m3			04/24/17 10:01	1
2,2,4-Trimethylpentane	<0.93		0.93		ug/m3			04/24/17 10:01	1
Benzene	<0.64		0.64		ug/m3			04/24/17 10:01	1
1,2-Dichloroethane	<0.81		0.81		ug/m3			04/24/17 10:01	1
n-Heptane	<0.82		0.82		ug/m3			04/24/17 10:01	1
Trichloroethene	<1.1		1.1		ug/m3			04/24/17 10:01	1
Methyl methacrylate	<2.0		2.0		ug/m3			04/24/17 10:01	1
1,2-Dichloropropane	<0.92		0.92		ug/m3			04/24/17 10:01	1
1,4-Dioxane	<18		18		ug/m3			04/24/17 10:01	1
Bromodichloromethane	<1.3		1.3		ug/m3			04/24/17 10:01	1
cis-1,3-Dichloropropene	<0.91		0.91		ug/m3			04/24/17 10:01	1
methyl isobutyl ketone	<2.0		2.0		ug/m3			04/24/17 10:01	1
Toluene	<0.75		0.75		ug/m3			04/24/17 10:01	1
trans-1,3-Dichloropropene	<0.91		0.91		ug/m3			04/24/17 10:01	1
1,1,2-Trichloroethane	<1.1		1.1		ug/m3			04/24/17 10:01	1
Tetrachloroethene	<1.4		1.4		ug/m3			04/24/17 10:01	1
Methyl Butyl Ketone (2-Hexanone)	<2.0		2.0		ug/m3			04/24/17 10:01	1
Dibromochloromethane	<1.7		1.7		ug/m3			04/24/17 10:01	1
1,2-Dibromoethane	<1.5		1.5		ug/m3			04/24/17 10:01	1
Chlorobenzene	<0.92		0.92		ug/m3			04/24/17 10:01	1
Ethylbenzene	<0.87		0.87		ug/m3			04/24/17 10:01	1
m,p-Xylene	<2.2		2.2		ug/m3			04/24/17 10:01	1
Xylene, o-	<0.87		0.87		ug/m3			04/24/17 10:01	1
Xylene (total)	<3.0		3.0		ug/m3			04/24/17 10:01	1
Styrene	<0.85		0.85		ug/m3			04/24/17 10:01	1
Bromoform	<2.1		2.1		ug/m3			04/24/17 10:01	1
Cumene	<0.98		0.98		ug/m3			04/24/17 10:01	1
1,1,2,2-Tetrachloroethane	<1.4		1.4		ug/m3			04/24/17 10:01	1
n-Propylbenzene	<0.98		0.98		ug/m3			04/24/17 10:01	1
4-Ethyltoluene	<0.98		0.98		ug/m3			04/24/17 10:01	1
1,3,5-Trimethylbenzene	<0.98		0.98		ug/m3			04/24/17 10:01	1
2-Chlorotoluene	<1.0		1.0		ug/m3			04/24/17 10:01	1
tert-Butylbenzene	<1.1		1.1		ug/m3			04/24/17 10:01	1
1,2,4-Trimethylbenzene	<0.98		0.98		ug/m3			04/24/17 10:01	1
sec-Butylbenzene	<1.1		1.1		ug/m3			04/24/17 10:01	1
4-Isopropyltoluene	<1.1		1.1		ug/m3			04/24/17 10:01	1
1,3-Dichlorobenzene	<1.2		1.2		ug/m3			04/24/17 10:01	1
1,4-Dichlorobenzene	<1.2		1.2		ug/m3			04/24/17 10:01	1

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-116039/4

Matrix: Air

Analysis Batch: 116039

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzyl chloride	<1.0		1.0		ug/m3			04/24/17 10:01	1
n-Butylbenzene	<1.1		1.1		ug/m3			04/24/17 10:01	1
1,2-Dichlorobenzene	<1.2		1.2		ug/m3			04/24/17 10:01	1
1,2,4-Trichlorobenzene	<3.7		3.7		ug/m3			04/24/17 10:01	1
Hexachlorobutadiene	<2.1		2.1		ug/m3			04/24/17 10:01	1
Naphthalene	<2.6		2.6		ug/m3			04/24/17 10:01	1

Lab Sample ID: LCS 200-116039/3

Matrix: Air

Analysis Batch: 116039

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Dichlorodifluoromethane	10.0	9.55		ppb v/v	96	68 - 128	
Freon 22	10.0	9.35		ppb v/v	94	64 - 128	
1,2-Dichlortetrafluoroethane	10.0	10.5		ppb v/v	105	78 - 138	
Chloromethane	10.0	8.94		ppb v/v	89	57 - 126	
n-Butane	10.0	9.09		ppb v/v	91	56 - 130	
Vinyl chloride	10.0	8.76		ppb v/v	88	62 - 125	
1,3-Butadiene	10.0	8.63		ppb v/v	86	59 - 125	
Bromomethane	10.0	9.61		ppb v/v	96	68 - 128	
Chloroethane	10.0	9.33		ppb v/v	93	65 - 125	
Bromoethene(Vinyl Bromide)	10.0	9.48		ppb v/v	95	67 - 127	
Trichlorofluoromethane	10.0	9.36		ppb v/v	94	67 - 127	
Freon TF	10.0	9.79		ppb v/v	98	68 - 128	
1,1-Dichloroethene	10.0	9.26		ppb v/v	93	67 - 127	
Acetone	10.0	8.11		ppb v/v	81	64 - 136	
Isopropyl alcohol	10.0	8.38		ppb v/v	84	55 - 124	
Carbon disulfide	10.0	11.2		ppb v/v	112	81 - 141	
3-Chloropropene	10.0	8.12		ppb v/v	81	53 - 133	
Methylene Chloride	10.0	9.05		ppb v/v	90	62 - 122	
tert-Butyl alcohol	10.0	9.16		ppb v/v	92	64 - 124	
Methyl tert-butyl ether	10.0	8.63		ppb v/v	86	67 - 127	
trans-1,2-Dichloroethene	10.0	9.89		ppb v/v	99	72 - 132	
n-Hexane	10.0	9.74		ppb v/v	97	71 - 131	
1,1-Dichloroethane	10.0	9.57		ppb v/v	96	66 - 126	
Methyl Ethyl Ketone	10.0	8.44		ppb v/v	84	62 - 122	
cis-1,2-Dichloroethene	10.0	9.68		ppb v/v	97	67 - 127	
Chloroform	10.0	8.88		ppb v/v	89	69 - 129	
Tetrahydrofuran	10.0	8.66		ppb v/v	87	61 - 136	
1,1,1-Trichloroethane	10.0	9.98		ppb v/v	100	70 - 130	
Cyclohexane	10.0	10.2		ppb v/v	102	69 - 129	
Carbon tetrachloride	10.0	10.1		ppb v/v	102	62 - 143	
2,2,4-Trimethylpentane	10.0	9.59		ppb v/v	96	67 - 127	
Benzene	10.0	10.1		ppb v/v	101	67 - 127	
1,2-Dichloroethane	10.0	10.1		ppb v/v	101	67 - 132	
n-Heptane	10.0	9.25		ppb v/v	92	62 - 130	
Trichloroethene	10.0	10.0		ppb v/v	100	68 - 128	
Methyl methacrylate	10.0	9.17		ppb v/v	92	70 - 130	

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-116039/3

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analysis Batch: 116039

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits	
	Added	Result	Qualifier						
1,2-Dichloropropane	10.0	9.42		ppb v/v		94	67 - 127		
1,4-Dioxane	10.0	9.21		ppb v/v		92	66 - 132		
Bromodichloromethane	10.0	10.3		ppb v/v		103	69 - 129		
cis-1,3-Dichloropropene	10.0	10.2		ppb v/v		102	70 - 130		
methyl isobutyl ketone	10.0	8.30		ppb v/v		83	62 - 130		
Toluene	10.0	9.80		ppb v/v		98	67 - 127		
trans-1,3-Dichloropropene	10.0	9.88		ppb v/v		99	69 - 129		
1,1,2-Trichloroethane	10.0	9.91		ppb v/v		99	69 - 129		
Tetrachloroethene	10.0	9.94		ppb v/v		99	70 - 130		
Methyl Butyl Ketone (2-Hexanone)	10.0	8.51		ppb v/v		85	61 - 127		
Dibromochloromethane	10.0	11.1		ppb v/v		111	66 - 130		
1,2-Dibromoethane	10.0	10.3		ppb v/v		103	70 - 130		
Chlorobenzene	10.0	10.1		ppb v/v		101	68 - 128		
Ethylbenzene	10.0	9.56		ppb v/v		96	68 - 128		
m,p-Xylene	20.0	19.0		ppb v/v		95	68 - 128		
Xylene, o-	10.0	9.47		ppb v/v		95	67 - 127		
Styrene	10.0	9.73		ppb v/v		97	68 - 128		
Bromoform	10.0	11.7		ppb v/v		117	34 - 170		
Cumene	10.0	9.40		ppb v/v		94	67 - 127		
1,1,2,2-Tetrachloroethane	10.0	9.87		ppb v/v		99	69 - 129		
n-Propylbenzene	10.0	9.36		ppb v/v		94	67 - 127		
4-Ethyltoluene	10.0	9.69		ppb v/v		97	69 - 129		
1,3,5-Trimethylbenzene	10.0	9.32		ppb v/v		93	65 - 125		
2-Chlorotoluene	10.0	9.61		ppb v/v		96	67 - 127		
tert-Butylbenzene	10.0	9.36		ppb v/v		94	63 - 125		
1,2,4-Trimethylbenzene	10.0	9.31		ppb v/v		93	65 - 125		
sec-Butylbenzene	10.0	9.40		ppb v/v		94	66 - 126		
4-Isopropyltoluene	10.0	9.47		ppb v/v		95	67 - 129		
1,3-Dichlorobenzene	10.0	10.0		ppb v/v		100	67 - 127		
1,4-Dichlorobenzene	10.0	9.95		ppb v/v		100	66 - 126		
Benzyl chloride	10.0	9.35		ppb v/v		94	54 - 135		
n-Butylbenzene	10.0	9.55		ppb v/v		96	67 - 127		
1,2-Dichlorobenzene	10.0	9.80		ppb v/v		98	67 - 127		
1,2,4-Trichlorobenzene	10.0	8.66		ppb v/v		87	59 - 126		
Hexachlorobutadiene	10.0	9.21		ppb v/v		92	62 - 130		
Naphthalene	10.0	7.98		ppb v/v		80	50 - 121		
Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits	
	Added	Result	Qualifier						
Dichlorodifluoromethane	49	47.2		ug/m3		96	68 - 128		
Freon 22	35	33.1		ug/m3		94	64 - 128		
1,2-Dichlorotetrafluoroethane	70	73.7		ug/m3		105	78 - 138		
Chloromethane	21	18.5		ug/m3		89	57 - 126		
n-Butane	24	21.6		ug/m3		91	56 - 130		
Vinyl chloride	26	22.4		ug/m3		88	62 - 125		
1,3-Butadiene	22	19.1		ug/m3		86	59 - 125		
Bromomethane	39	37.3		ug/m3		96	68 - 128		
Chloroethane	26	24.6		ug/m3		93	65 - 125		

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-116039/3

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analysis Batch: 116039

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
	Added	Result	Qualifier					
Bromoethene(Vinyl Bromide)	44	41.5		ug/m3	95	67 - 127		
Trichlorofluoromethane	56	52.6		ug/m3	94	67 - 127		
Freon TF	77	75.0		ug/m3	98	68 - 128		
1,1-Dichloroethene	40	36.7		ug/m3	93	67 - 127		
Acetone	24	19.3		ug/m3	81	64 - 136		
Isopropyl alcohol	25	20.6		ug/m3	84	55 - 124		
Carbon disulfide	31	34.9		ug/m3	112	81 - 141		
3-Chloropropene	31	25.4		ug/m3	81	53 - 133		
Methylene Chloride	35	31.4		ug/m3	90	62 - 122		
tert-Butyl alcohol	30	27.8		ug/m3	92	64 - 124		
Methyl tert-butyl ether	36	31.1		ug/m3	86	67 - 127		
trans-1,2-Dichloroethene	40	39.2		ug/m3	99	72 - 132		
n-Hexane	35	34.3		ug/m3	97	71 - 131		
1,1-Dichloroethane	40	38.7		ug/m3	96	66 - 126		
Methyl Ethyl Ketone	29	24.9		ug/m3	84	62 - 122		
cis-1,2-Dichloroethene	40	38.4		ug/m3	97	67 - 127		
Chloroform	49	43.4		ug/m3	89	69 - 129		
Tetrahydrofuran	29	25.5		ug/m3	87	61 - 136		
1,1,1-Trichloroethane	55	54.5		ug/m3	100	70 - 130		
Cyclohexane	34	35.0		ug/m3	102	69 - 129		
Carbon tetrachloride	63	63.8		ug/m3	102	62 - 143		
2,2,4-Trimethylpentane	47	44.8		ug/m3	96	67 - 127		
Benzene	32	32.2		ug/m3	101	67 - 127		
1,2-Dichloroethane	40	40.7		ug/m3	101	67 - 132		
n-Heptane	41	37.9		ug/m3	92	62 - 130		
Trichloroethene	54	53.8		ug/m3	100	68 - 128		
Methyl methacrylate	41	37.5		ug/m3	92	70 - 130		
1,2-Dichloropropane	46	43.5		ug/m3	94	67 - 127		
1,4-Dioxane	36	33.2		ug/m3	92	66 - 132		
Bromodichloromethane	67	69.2		ug/m3	103	69 - 129		
cis-1,3-Dichloropropene	45	46.4		ug/m3	102	70 - 130		
methyl isobutyl ketone	41	34.0		ug/m3	83	62 - 130		
Toluene	38	36.9		ug/m3	98	67 - 127		
trans-1,3-Dichloropropene	45	44.8		ug/m3	99	69 - 129		
1,1,2-Trichloroethane	55	54.1		ug/m3	99	69 - 129		
Tetrachloroethene	68	67.4		ug/m3	99	70 - 130		
Methyl Butyl Ketone	41	34.9		ug/m3	85	61 - 127		
(2-Hexanone)								
Dibromochloromethane	85	94.2		ug/m3	111	66 - 130		
1,2-Dibromoethane	77	79.1		ug/m3	103	70 - 130		
Chlorobenzene	46	46.5		ug/m3	101	68 - 128		
Ethylbenzene	43	41.5		ug/m3	96	68 - 128		
m,p-Xylene	87	82.6		ug/m3	95	68 - 128		
Xylene, o-	43	41.1		ug/m3	95	67 - 127		
Styrene	43	41.4		ug/m3	97	68 - 128		
Bromoform	100	121		ug/m3	117	34 - 170		
Cumene	49	46.2		ug/m3	94	67 - 127		
1,1,2,2-Tetrachloroethane	69	67.8		ug/m3	99	69 - 129		

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-116039/3

Matrix: Air

Analysis Batch: 116039

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits	
	Added	Result	Qualifier						
n-Propylbenzene	49	46.0		ug/m3		94	67 - 127		
4-Ethyltoluene	49	47.6		ug/m3		97	69 - 129		
1,3,5-Trimethylbenzene	49	45.8		ug/m3		93	65 - 125		
2-Chlorotoluene	52	49.8		ug/m3		96	67 - 127		
tert-Butylbenzene	55	51.4		ug/m3		94	63 - 125		
1,2,4-Trimethylbenzene	49	45.8		ug/m3		93	65 - 125		
sec-Butylbenzene	55	51.6		ug/m3		94	66 - 126		
4-Isopropyltoluene	55	52.0		ug/m3		95	67 - 129		
1,3-Dichlorobenzene	60	60.3		ug/m3		100	67 - 127		
1,4-Dichlorobenzene	60	59.8		ug/m3		100	66 - 126		
Benzyl chloride	52	48.4		ug/m3		94	54 - 135		
n-Butylbenzene	55	52.4		ug/m3		96	67 - 127		
1,2-Dichlorobenzene	60	58.9		ug/m3		98	67 - 127		
1,2,4-Trichlorobenzene	74	64.3		ug/m3		87	59 - 126		
Hexachlorobutadiene	110	98.2		ug/m3		92	62 - 130		
Naphthalene	52	41.8		ug/m3		80	50 - 121		

Lab Sample ID: MB 200-116083/4

Matrix: Air

Analysis Batch: 116083

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dichlorodifluoromethane	<0.50		0.50		ppb v/v			04/25/17 11:55	1
Freon 22	<0.50		0.50		ppb v/v			04/25/17 11:55	1
1,2-Dichlorotetrafluoroethane	<0.20		0.20		ppb v/v			04/25/17 11:55	1
Chloromethane	<0.50		0.50		ppb v/v			04/25/17 11:55	1
n-Butane	<0.50		0.50		ppb v/v			04/25/17 11:55	1
Vinyl chloride	<0.20		0.20		ppb v/v			04/25/17 11:55	1
1,3-Butadiene	<0.20		0.20		ppb v/v			04/25/17 11:55	1
Bromomethane	<0.20		0.20		ppb v/v			04/25/17 11:55	1
Chloroethane	<0.50		0.50		ppb v/v			04/25/17 11:55	1
Bromoethene(Vinyl Bromide)	<0.20		0.20		ppb v/v			04/25/17 11:55	1
Trichlorofluoromethane	<0.20		0.20		ppb v/v			04/25/17 11:55	1
Freon TF	<0.20		0.20		ppb v/v			04/25/17 11:55	1
1,1-Dichloroethene	<0.20		0.20		ppb v/v			04/25/17 11:55	1
Acetone	<5.0		5.0		ppb v/v			04/25/17 11:55	1
Isopropyl alcohol	<5.0		5.0		ppb v/v			04/25/17 11:55	1
Carbon disulfide	<0.50		0.50		ppb v/v			04/25/17 11:55	1
3-Chloropropene	<0.50		0.50		ppb v/v			04/25/17 11:55	1
Methylene Chloride	<0.50		0.50		ppb v/v			04/25/17 11:55	1
tert-Butyl alcohol	<5.0		5.0		ppb v/v			04/25/17 11:55	1
Methyl tert-butyl ether	<0.20		0.20		ppb v/v			04/25/17 11:55	1
trans-1,2-Dichloroethene	<0.20		0.20		ppb v/v			04/25/17 11:55	1
n-Hexane	<0.20		0.20		ppb v/v			04/25/17 11:55	1
1,1-Dichloroethane	<0.20		0.20		ppb v/v			04/25/17 11:55	1
Methyl Ethyl Ketone	<0.50		0.50		ppb v/v			04/25/17 11:55	1
cis-1,2-Dichloroethene	<0.20		0.20		ppb v/v			04/25/17 11:55	1
1,2-Dichloroethene, Total	<0.40		0.40		ppb v/v			04/25/17 11:55	1

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-116083/4

Matrix: Air

Analysis Batch: 116083

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	<0.20		0.20		ppb v/v		04/25/17 11:55		1
Tetrahydrofuran	<5.0		5.0		ppb v/v		04/25/17 11:55		1
1,1,1-Trichloroethane	<0.20		0.20		ppb v/v		04/25/17 11:55		1
Cyclohexane	<0.20		0.20		ppb v/v		04/25/17 11:55		1
Carbon tetrachloride	<0.20		0.20		ppb v/v		04/25/17 11:55		1
2,2,4-Trimethylpentane	<0.20		0.20		ppb v/v		04/25/17 11:55		1
Benzene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
1,2-Dichloroethane	<0.20		0.20		ppb v/v		04/25/17 11:55		1
n-Heptane	<0.20		0.20		ppb v/v		04/25/17 11:55		1
Trichloroethene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
Methyl methacrylate	<0.50		0.50		ppb v/v		04/25/17 11:55		1
1,2-Dichloropropane	<0.20		0.20		ppb v/v		04/25/17 11:55		1
1,4-Dioxane	<5.0		5.0		ppb v/v		04/25/17 11:55		1
Bromodichloromethane	<0.20		0.20		ppb v/v		04/25/17 11:55		1
cis-1,3-Dichloropropene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
methyl isobutyl ketone	<0.50		0.50		ppb v/v		04/25/17 11:55		1
Toluene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
trans-1,3-Dichloropropene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
1,1,2-Trichloroethane	<0.20		0.20		ppb v/v		04/25/17 11:55		1
Tetrachloroethene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
Methyl Butyl Ketone (2-Hexanone)	<0.50		0.50		ppb v/v		04/25/17 11:55		1
Dibromochloromethane	<0.20		0.20		ppb v/v		04/25/17 11:55		1
1,2-Dibromoethane	<0.20		0.20		ppb v/v		04/25/17 11:55		1
Chlorobenzene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
Ethylbenzene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
m,p-Xylene	<0.50		0.50		ppb v/v		04/25/17 11:55		1
Xylene, o-	<0.20		0.20		ppb v/v		04/25/17 11:55		1
Xylene (total)	<0.70		0.70		ppb v/v		04/25/17 11:55		1
Styrene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
Bromoform	<0.20		0.20		ppb v/v		04/25/17 11:55		1
Cumene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
1,1,2,2-Tetrachloroethane	<0.20		0.20		ppb v/v		04/25/17 11:55		1
n-Propylbenzene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
4-Ethyltoluene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
1,3,5-Trimethylbenzene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
2-Chlorotoluene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
tert-Butylbenzene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
1,2,4-Trimethylbenzene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
sec-Butylbenzene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
4-Isopropyltoluene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
1,3-Dichlorobenzene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
1,4-Dichlorobenzene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
Benzyl chloride	<0.20		0.20		ppb v/v		04/25/17 11:55		1
n-Butylbenzene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
1,2-Dichlorobenzene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
1,2,4-Trichlorobenzene	<0.50		0.50		ppb v/v		04/25/17 11:55		1
Hexachlorobutadiene	<0.20		0.20		ppb v/v		04/25/17 11:55		1
Naphthalene	<0.50		0.50		ppb v/v		04/25/17 11:55		1

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	1
	Result	Qualifier								
Dichlorodifluoromethane	<2.5		2.5		ug/m ³			04/25/17 11:55	1	2
Freon 22	<1.8		1.8		ug/m ³			04/25/17 11:55	1	3
1,2-Dichlortetrafluoroethane	<1.4		1.4		ug/m ³			04/25/17 11:55	1	4
Chloromethane	<1.0		1.0		ug/m ³			04/25/17 11:55	1	5
n-Butane	<1.2		1.2		ug/m ³			04/25/17 11:55	1	6
Vinyl chloride	<0.51		0.51		ug/m ³			04/25/17 11:55	1	7
1,3-Butadiene	<0.44		0.44		ug/m ³			04/25/17 11:55	1	8
Bromomethane	<0.78		0.78		ug/m ³			04/25/17 11:55	1	9
Chloroethane	<1.3		1.3		ug/m ³			04/25/17 11:55	1	10
Bromoethene(Vinyl Bromide)	<0.87		0.87		ug/m ³			04/25/17 11:55	1	11
Trichlorofluoromethane	<1.1		1.1		ug/m ³			04/25/17 11:55	1	12
Freon TF	<1.5		1.5		ug/m ³			04/25/17 11:55	1	13
1,1-Dichloroethene	<0.79		0.79		ug/m ³			04/25/17 11:55	1	14
Acetone	<12		12		ug/m ³			04/25/17 11:55	1	15
Isopropyl alcohol	<12		12		ug/m ³			04/25/17 11:55	1	1
Carbon disulfide	<1.6		1.6		ug/m ³			04/25/17 11:55	1	2
3-Chloropropene	<1.6		1.6		ug/m ³			04/25/17 11:55	1	3
Methylene Chloride	<1.7		1.7		ug/m ³			04/25/17 11:55	1	4
tert-Butyl alcohol	<15		15		ug/m ³			04/25/17 11:55	1	5
Methyl tert-butyl ether	<0.72		0.72		ug/m ³			04/25/17 11:55	1	6
trans-1,2-Dichloroethene	<0.79		0.79		ug/m ³			04/25/17 11:55	1	7
n-Hexane	<0.70		0.70		ug/m ³			04/25/17 11:55	1	8
1,1-Dichloroethane	<0.81		0.81		ug/m ³			04/25/17 11:55	1	9
Methyl Ethyl Ketone	<1.5		1.5		ug/m ³			04/25/17 11:55	1	10
cis-1,2-Dichloroethene	<0.79		0.79		ug/m ³			04/25/17 11:55	1	11
1,2-Dichloroethene, Total	<1.6		1.6		ug/m ³			04/25/17 11:55	1	12
Chloroform	<0.98		0.98		ug/m ³			04/25/17 11:55	1	13
Tetrahydrofuran	<15		15		ug/m ³			04/25/17 11:55	1	14
1,1,1-Trichloroethane	<1.1		1.1		ug/m ³			04/25/17 11:55	1	15
Cyclohexane	<0.69		0.69		ug/m ³			04/25/17 11:55	1	1
Carbon tetrachloride	<1.3		1.3		ug/m ³			04/25/17 11:55	1	2
2,2,4-Trimethylpentane	<0.93		0.93		ug/m ³			04/25/17 11:55	1	3
Benzene	<0.64		0.64		ug/m ³			04/25/17 11:55	1	4
1,2-Dichloroethane	<0.81		0.81		ug/m ³			04/25/17 11:55	1	5
n-Heptane	<0.82		0.82		ug/m ³			04/25/17 11:55	1	6
Trichloroethene	<1.1		1.1		ug/m ³			04/25/17 11:55	1	7
Methyl methacrylate	<2.0		2.0		ug/m ³			04/25/17 11:55	1	8
1,2-Dichloropropane	<0.92		0.92		ug/m ³			04/25/17 11:55	1	9
1,4-Dioxane	<18		18		ug/m ³			04/25/17 11:55	1	10
Bromodichloromethane	<1.3		1.3		ug/m ³			04/25/17 11:55	1	11
cis-1,3-Dichloropropene	<0.91		0.91		ug/m ³			04/25/17 11:55	1	12
methyl isobutyl ketone	<2.0		2.0		ug/m ³			04/25/17 11:55	1	13
Toluene	<0.75		0.75		ug/m ³			04/25/17 11:55	1	14
trans-1,3-Dichloropropene	<0.91		0.91		ug/m ³			04/25/17 11:55	1	15
1,1,2-Trichloroethane	<1.1		1.1		ug/m ³			04/25/17 11:55	1	1
Tetrachloroethene	<1.4		1.4		ug/m ³			04/25/17 11:55	1	2
Methyl Butyl Ketone (2-Hexanone)	<2.0		2.0		ug/m ³			04/25/17 11:55	1	3
Dibromochloromethane	<1.7		1.7		ug/m ³			04/25/17 11:55	1	4
1,2-Dibromoethane	<1.5		1.5		ug/m ³			04/25/17 11:55	1	5
Chlorobenzene	<0.92		0.92		ug/m ³			04/25/17 11:55	1	6
Ethylbenzene	<0.87		0.87		ug/m ³			04/25/17 11:55	1	7
m,p-Xylene	<2.2		2.2		ug/m ³			04/25/17 11:55	1	8
Xylene, o-	<0.87		0.87		ug/m ³			04/25/17 11:55	1	9
Xylene (total)	<3.0		3.0		ug/m ³			04/25/17 11:55	1	10

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-116083/4

Matrix: Air

Analysis Batch: 116083

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
Styrene	<0.85		0.85		0.85		ug/m3		04/25/17 11:55		1
Bromoform		<2.1			2.1		ug/m3		04/25/17 11:55		1
Cumene		<0.98			0.98		ug/m3		04/25/17 11:55		1
1,1,2,2-Tetrachloroethane		<1.4			1.4		ug/m3		04/25/17 11:55		1
n-Propylbenzene		<0.98			0.98		ug/m3		04/25/17 11:55		1
4-Ethyltoluene		<0.98			0.98		ug/m3		04/25/17 11:55		1
1,3,5-Trimethylbenzene		<0.98			0.98		ug/m3		04/25/17 11:55		1
2-Chlorotoluene		<1.0			1.0		ug/m3		04/25/17 11:55		1
tert-Butylbenzene		<1.1			1.1		ug/m3		04/25/17 11:55		1
1,2,4-Trimethylbenzene		<0.98			0.98		ug/m3		04/25/17 11:55		1
sec-Butylbenzene		<1.1			1.1		ug/m3		04/25/17 11:55		1
4-Isopropyltoluene		<1.1			1.1		ug/m3		04/25/17 11:55		1
1,3-Dichlorobenzene		<1.2			1.2		ug/m3		04/25/17 11:55		1
1,4-Dichlorobenzene		<1.2			1.2		ug/m3		04/25/17 11:55		1
Benzyl chloride		<1.0			1.0		ug/m3		04/25/17 11:55		1
n-Butylbenzene		<1.1			1.1		ug/m3		04/25/17 11:55		1
1,2-Dichlorobenzene		<1.2			1.2		ug/m3		04/25/17 11:55		1
1,2,4-Trichlorobenzene		<3.7			3.7		ug/m3		04/25/17 11:55		1
Hexachlorobutadiene		<2.1			2.1		ug/m3		04/25/17 11:55		1
Naphthalene		<2.6			2.6		ug/m3		04/25/17 11:55		1

Lab Sample ID: LCS 200-116083/3

Matrix: Air

Analysis Batch: 116083

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	%Rec.			
	Added	Result	Qualifier	Unit	D	%Rec	Limits
Dichlorodifluoromethane	10.0	8.36		ppb v/v		84	68 - 128
Freon 22	10.0	7.92		ppb v/v		79	64 - 128
1,2-Dichlorotetrafluoroethane	10.0	9.46		ppb v/v		95	78 - 138
Chloromethane	10.0	7.92		ppb v/v		79	57 - 126
n-Butane	10.0	7.70		ppb v/v		77	56 - 130
Vinyl chloride	10.0	7.99		ppb v/v		80	62 - 125
1,3-Butadiene	10.0	7.50		ppb v/v		75	59 - 125
Bromomethane	10.0	8.98		ppb v/v		90	68 - 128
Chloroethane	10.0	8.91		ppb v/v		89	65 - 125
Bromoethene(Vinyl Bromide)	10.0	9.46		ppb v/v		95	67 - 127
Trichlorofluoromethane	10.0	8.47		ppb v/v		85	67 - 127
Freon TF	10.0	9.53		ppb v/v		95	68 - 128
1,1-Dichloroethene	10.0	9.51		ppb v/v		95	67 - 127
Acetone	10.0	8.40		ppb v/v		84	64 - 136
Isopropyl alcohol	10.0	7.56		ppb v/v		76	55 - 124
Carbon disulfide	10.0	10.8		ppb v/v		108	81 - 141
3-Chloropropene	10.0	7.54		ppb v/v		75	53 - 133
Methylene Chloride	10.0	8.29		ppb v/v		83	62 - 122
tert-Butyl alcohol	10.0	8.50		ppb v/v		85	64 - 124
Methyl tert-butyl ether	10.0	8.93		ppb v/v		89	67 - 127
trans-1,2-Dichloroethene	10.0	9.21		ppb v/v		92	72 - 132
n-Hexane	10.0	9.37		ppb v/v		94	71 - 131

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-116083/3

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analysis Batch: 116083

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits	
	Added	Result	Qualifier						
1,1-Dichloroethane	10.0	8.44		ppb v/v		84	66 - 126		
Methyl Ethyl Ketone	10.0	9.47		ppb v/v		95	62 - 122		
cis-1,2-Dichloroethene	10.0	9.52		ppb v/v		95	67 - 127		
Chloroform	10.0	8.92		ppb v/v		89	69 - 129		
Tetrahydrofuran	10.0	8.83		ppb v/v		88	61 - 136		
1,1,1-Trichloroethane	10.0	8.96		ppb v/v		90	70 - 130		
Cyclohexane	10.0	9.71		ppb v/v		97	69 - 129		
Carbon tetrachloride	10.0	8.93		ppb v/v		89	62 - 143		
2,2,4-Trimethylpentane	10.0	8.96		ppb v/v		90	67 - 127		
Benzene	10.0	9.28		ppb v/v		93	67 - 127		
1,2-Dichloroethane	10.0	8.25		ppb v/v		83	67 - 132		
n-Heptane	10.0	8.21		ppb v/v		82	62 - 130		
Trichloroethene	10.0	8.89		ppb v/v		89	68 - 128		
Methyl methacrylate	10.0	9.75		ppb v/v		97	70 - 130		
1,2-Dichloropropane	10.0	9.04		ppb v/v		90	67 - 127		
1,4-Dioxane	10.0	9.39		ppb v/v		94	66 - 132		
Bromodichloromethane	10.0	9.00		ppb v/v		90	69 - 129		
cis-1,3-Dichloropropene	10.0	9.33		ppb v/v		93	70 - 130		
methyl isobutyl ketone	10.0	8.44		ppb v/v		84	62 - 130		
Toluene	10.0	9.39		ppb v/v		94	67 - 127		
trans-1,3-Dichloropropene	10.0	9.07		ppb v/v		91	69 - 129		
1,1,2-Trichloroethane	10.0	9.45		ppb v/v		95	69 - 129		
Tetrachloroethene	10.0	9.79		ppb v/v		98	70 - 130		
Methyl Butyl Ketone (2-Hexanone)	10.0	8.40		ppb v/v		84	61 - 127		
Dibromochloromethane	10.0	9.74		ppb v/v		97	66 - 130		
1,2-Dibromoethane	10.0	9.80		ppb v/v		98	70 - 130		
Chlorobenzene	10.0	9.65		ppb v/v		97	68 - 128		
Ethylbenzene	10.0	9.23		ppb v/v		92	68 - 128		
m,p-Xylene	20.0	18.8		ppb v/v		94	68 - 128		
Xylene, o-	10.0	9.33		ppb v/v		93	67 - 127		
Styrene	10.0	9.54		ppb v/v		95	68 - 128		
Bromoform	10.0	11.3		ppb v/v		113	34 - 170		
Cumene	10.0	9.26		ppb v/v		93	67 - 127		
1,1,2,2-Tetrachloroethane	10.0	9.35		ppb v/v		94	69 - 129		
n-Propylbenzene	10.0	9.01		ppb v/v		90	67 - 127		
4-Ethyltoluene	10.0	9.54		ppb v/v		95	69 - 129		
1,3,5-Trimethylbenzene	10.0	9.35		ppb v/v		94	65 - 125		
2-Chlorotoluene	10.0	8.81		ppb v/v		88	67 - 127		
tert-Butylbenzene	10.0	9.42		ppb v/v		94	63 - 125		
1,2,4-Trimethylbenzene	10.0	9.16		ppb v/v		92	65 - 125		
sec-Butylbenzene	10.0	9.07		ppb v/v		91	66 - 126		
4-Isopropyltoluene	10.0	9.19		ppb v/v		92	67 - 129		
1,3-Dichlorobenzene	10.0	9.92		ppb v/v		99	67 - 127		
1,4-Dichlorobenzene	10.0	9.92		ppb v/v		99	66 - 126		
Benzyl chloride	10.0	8.46		ppb v/v		85	54 - 135		
n-Butylbenzene	10.0	8.21		ppb v/v		82	67 - 127		
1,2-Dichlorobenzene	10.0	9.79		ppb v/v		98	67 - 127		

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-116083/3

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analysis Batch: 116083

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				
1,2,4-Trichlorobenzene	10.0	9.41		ppb v/v		94	59 - 126
Hexachlorobutadiene	10.0	10.1		ppb v/v		101	62 - 130
Naphthalene	10.0	7.64		ppb v/v		76	50 - 121
Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
	Added	Result	Qualifier				
Dichlorodifluoromethane	49	41.3		ug/m ³		84	68 - 128
Freon 22	35	28.0		ug/m ³		79	64 - 128
1,2-Dichlortetrafluoroethane	70	66.1		ug/m ³		95	78 - 138
Chloromethane	21	16.3		ug/m ³		79	57 - 126
n-Butane	24	18.3		ug/m ³		77	56 - 130
Vinyl chloride	26	20.4		ug/m ³		80	62 - 125
1,3-Butadiene	22	16.6		ug/m ³		75	59 - 125
Bromomethane	39	34.9		ug/m ³		90	68 - 128
Chloroethane	26	23.5		ug/m ³		89	65 - 125
Bromoethene(Vinyl Bromide)	44	41.4		ug/m ³		95	67 - 127
Trichlorofluoromethane	56	47.6		ug/m ³		85	67 - 127
Freon TF	77	73.1		ug/m ³		95	68 - 128
1,1-Dichloroethene	40	37.7		ug/m ³		95	67 - 127
Acetone	24	20.0		ug/m ³		84	64 - 136
Isopropyl alcohol	25	18.6		ug/m ³		76	55 - 124
Carbon disulfide	31	33.6		ug/m ³		108	81 - 141
3-Chloropropene	31	23.6		ug/m ³		75	53 - 133
Methylene Chloride	35	28.8		ug/m ³		83	62 - 122
tert-Butyl alcohol	30	25.8		ug/m ³		85	64 - 124
Methyl tert-butyl ether	36	32.2		ug/m ³		89	67 - 127
trans-1,2-Dichloroethene	40	36.5		ug/m ³		92	72 - 132
n-Hexane	35	33.0		ug/m ³		94	71 - 131
1,1-Dichloroethane	40	34.2		ug/m ³		84	66 - 126
Methyl Ethyl Ketone	29	27.9		ug/m ³		95	62 - 122
cis-1,2-Dichloroethene	40	37.7		ug/m ³		95	67 - 127
Chloroform	49	43.5		ug/m ³		89	69 - 129
Tetrahydrofuran	29	26.0		ug/m ³		88	61 - 136
1,1,1-Trichloroethane	55	48.9		ug/m ³		90	70 - 130
Cyclohexane	34	33.4		ug/m ³		97	69 - 129
Carbon tetrachloride	63	56.2		ug/m ³		89	62 - 143
2,2,4-Trimethylpentane	47	41.9		ug/m ³		90	67 - 127
Benzene	32	29.6		ug/m ³		93	67 - 127
1,2-Dichloroethane	40	33.4		ug/m ³		83	67 - 132
n-Heptane	41	33.6		ug/m ³		82	62 - 130
Trichloroethene	54	47.8		ug/m ³		89	68 - 128
Methyl methacrylate	41	39.9		ug/m ³		97	70 - 130
1,2-Dichloropropane	46	41.8		ug/m ³		90	67 - 127
1,4-Dioxane	36	33.8		ug/m ³		94	66 - 132
Bromodichloromethane	67	60.3		ug/m ³		90	69 - 129
cis-1,3-Dichloropropene	45	42.3		ug/m ³		93	70 - 130
methyl isobutyl ketone	41	34.6		ug/m ³		84	62 - 130
Toluene	38	35.4		ug/m ³		94	67 - 127
trans-1,3-Dichloropropene	45	41.2		ug/m ³		91	69 - 129

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-116083/3

Matrix: Air

Analysis Batch: 116083

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS		Unit	D	%Rec.		Limits
		Result	Qualifier			%Rec	Limits	
1,1,2-Trichloroethane	55	51.6		ug/m3	95	69 - 129		
Tetrachloroethene	68	66.4		ug/m3	98	70 - 130		
Methyl Butyl Ketone (2-Hexanone)	41	34.4		ug/m3	84	61 - 127		
Dibromochloromethane	85	83.0		ug/m3	97	66 - 130		
1,2-Dibromoethane	77	75.3		ug/m3	98	70 - 130		
Chlorobenzene	46	44.4		ug/m3	97	68 - 128		
Ethylbenzene	43	40.1		ug/m3	92	68 - 128		
m,p-Xylene	87	81.8		ug/m3	94	68 - 128		
Xylene, o-	43	40.5		ug/m3	93	67 - 127		
Styrene	43	40.7		ug/m3	95	68 - 128		
Bromoform	100	117		ug/m3	113	34 - 170		
Cumene	49	45.5		ug/m3	93	67 - 127		
1,1,2,2-Tetrachloroethane	69	64.2		ug/m3	94	69 - 129		
n-Propylbenzene	49	44.3		ug/m3	90	67 - 127		
4-Ethyltoluene	49	46.9		ug/m3	95	69 - 129		
1,3,5-Trimethylbenzene	49	46.0		ug/m3	94	65 - 125		
2-Chlorotoluene	52	45.6		ug/m3	88	67 - 127		
tert-Butylbenzene	55	51.7		ug/m3	94	63 - 125		
1,2,4-Trimethylbenzene	49	45.0		ug/m3	92	65 - 125		
sec-Butylbenzene	55	49.8		ug/m3	91	66 - 126		
4-Isopropyltoluene	55	50.4		ug/m3	92	67 - 129		
1,3-Dichlorobenzene	60	59.6		ug/m3	99	67 - 127		
1,4-Dichlorobenzene	60	59.7		ug/m3	99	66 - 126		
Benzyl chloride	52	43.8		ug/m3	85	54 - 135		
n-Butylbenzene	55	45.1		ug/m3	82	67 - 127		
1,2-Dichlorobenzene	60	58.9		ug/m3	98	67 - 127		
1,2,4-Trichlorobenzene	74	69.8		ug/m3	94	59 - 126		
Hexachlorobutadiene	110	107		ug/m3	101	62 - 130		
Naphthalene	52	40.1		ug/m3	76	50 - 121		

Lab Sample ID: MB 200-116129/5

Matrix: Air

Analysis Batch: 116129

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Dichlorodifluoromethane	<0.50		0.50		ppb v/v			04/26/17 13:00	1
Freon 22	<0.50		0.50		ppb v/v			04/26/17 13:00	1
1,2-Dichlorotetrafluoroethane	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Chloromethane	<0.50		0.50		ppb v/v			04/26/17 13:00	1
n-Butane	<0.50		0.50		ppb v/v			04/26/17 13:00	1
Vinyl chloride	<0.20		0.20		ppb v/v			04/26/17 13:00	1
1,3-Butadiene	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Bromomethane	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Chloroethane	<0.50		0.50		ppb v/v			04/26/17 13:00	1
Bromoethene(Vinyl Bromide)	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Trichlorofluoromethane	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Freon TF	<0.20		0.20		ppb v/v			04/26/17 13:00	1
1,1-Dichloroethene	<0.20		0.20		ppb v/v			04/26/17 13:00	1

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-116129/5

Matrix: Air

Analysis Batch: 116129

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.0		5.0		ppb v/v			04/26/17 13:00	1
Isopropyl alcohol	<5.0		5.0		ppb v/v			04/26/17 13:00	1
Carbon disulfide	<0.50		0.50		ppb v/v			04/26/17 13:00	1
3-Chloropropene	<0.50		0.50		ppb v/v			04/26/17 13:00	1
Methylene Chloride	<0.50		0.50		ppb v/v			04/26/17 13:00	1
tert-Butyl alcohol	<5.0		5.0		ppb v/v			04/26/17 13:00	1
Methyl tert-butyl ether	<0.20		0.20		ppb v/v			04/26/17 13:00	1
trans-1,2-Dichloroethene	<0.20		0.20		ppb v/v			04/26/17 13:00	1
n-Hexane	<0.20		0.20		ppb v/v			04/26/17 13:00	1
1,1-Dichloroethane	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Methyl Ethyl Ketone	<0.50		0.50		ppb v/v			04/26/17 13:00	1
cis-1,2-Dichloroethene	<0.20		0.20		ppb v/v			04/26/17 13:00	1
1,2-Dichloroethene, Total	<0.40		0.40		ppb v/v			04/26/17 13:00	1
Chloroform	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Tetrahydrofuran	<5.0		5.0		ppb v/v			04/26/17 13:00	1
1,1,1-Trichloroethane	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Cyclohexane	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Carbon tetrachloride	<0.20		0.20		ppb v/v			04/26/17 13:00	1
2,2,4-Trimethylpentane	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Benzene	<0.20		0.20		ppb v/v			04/26/17 13:00	1
1,2-Dichloroethane	<0.20		0.20		ppb v/v			04/26/17 13:00	1
n-Heptane	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Trichloroethene	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Methyl methacrylate	<0.50		0.50		ppb v/v			04/26/17 13:00	1
1,2-Dichloropropane	<0.20		0.20		ppb v/v			04/26/17 13:00	1
1,4-Dioxane	<5.0		5.0		ppb v/v			04/26/17 13:00	1
Bromodichloromethane	<0.20		0.20		ppb v/v			04/26/17 13:00	1
cis-1,3-Dichloropropene	<0.20		0.20		ppb v/v			04/26/17 13:00	1
methyl isobutyl ketone	<0.50		0.50		ppb v/v			04/26/17 13:00	1
Toluene	<0.20		0.20		ppb v/v			04/26/17 13:00	1
trans-1,3-Dichloropropene	<0.20		0.20		ppb v/v			04/26/17 13:00	1
1,1,2-Trichloroethane	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Tetrachloroethene	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Methyl Butyl Ketone (2-Hexanone)	<0.50		0.50		ppb v/v			04/26/17 13:00	1
Dibromochloromethane	<0.20		0.20		ppb v/v			04/26/17 13:00	1
1,2-Dibromoethane	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Chlorobenzene	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Ethylbenzene	<0.20		0.20		ppb v/v			04/26/17 13:00	1
m,p-Xylene	<0.50		0.50		ppb v/v			04/26/17 13:00	1
Xylene, o-	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Xylene (total)	<0.70		0.70		ppb v/v			04/26/17 13:00	1
Styrene	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Bromoform	<0.20		0.20		ppb v/v			04/26/17 13:00	1
Cumene	<0.20		0.20		ppb v/v			04/26/17 13:00	1
1,1,2,2-Tetrachloroethane	<0.20		0.20		ppb v/v			04/26/17 13:00	1
n-Propylbenzene	<0.20		0.20		ppb v/v			04/26/17 13:00	1
4-Ethyltoluene	<0.20		0.20		ppb v/v			04/26/17 13:00	1
1,3,5-Trimethylbenzene	<0.20		0.20		ppb v/v			04/26/17 13:00	1

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-116129/5

Matrix: Air

Analysis Batch: 116129

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	<0.20		0.20		0.20		ppb v/v		04/26/17 13:00		1
tert-Butylbenzene	<0.20		0.20		0.20		ppb v/v		04/26/17 13:00		1
1,2,4-Trimethylbenzene	<0.20		0.20		0.20		ppb v/v		04/26/17 13:00		1
sec-Butylbenzene	<0.20		0.20		0.20		ppb v/v		04/26/17 13:00		1
4-Isopropyltoluene	<0.20		0.20		0.20		ppb v/v		04/26/17 13:00		1
1,3-Dichlorobenzene	<0.20		0.20		0.20		ppb v/v		04/26/17 13:00		1
1,4-Dichlorobenzene	<0.20		0.20		0.20		ppb v/v		04/26/17 13:00		1
Benzyl chloride	<0.20		0.20		0.20		ppb v/v		04/26/17 13:00		1
n-Butylbenzene	<0.20		0.20		0.20		ppb v/v		04/26/17 13:00		1
1,2-Dichlorobenzene	<0.20		0.20		0.20		ppb v/v		04/26/17 13:00		1
1,2,4-Trichlorobenzene	<0.50		0.50		0.50		ppb v/v		04/26/17 13:00		1
Hexachlorobutadiene	<0.20		0.20		0.20		ppb v/v		04/26/17 13:00		1
Naphthalene	<0.50		0.50				ppb v/v		04/26/17 13:00		1
Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<2.5		2.5		2.5		ug/m ³		04/26/17 13:00		1
Freon 22	<1.8		1.8		1.8		ug/m ³		04/26/17 13:00		1
1,2-Dichlortetrafluoroethane	<1.4		1.4		1.4		ug/m ³		04/26/17 13:00		1
Chloromethane	<1.0		1.0		1.0		ug/m ³		04/26/17 13:00		1
n-Butane	<1.2		1.2		1.2		ug/m ³		04/26/17 13:00		1
Vinyl chloride	<0.51		0.51		0.51		ug/m ³		04/26/17 13:00		1
1,3-Butadiene	<0.44		0.44		0.44		ug/m ³		04/26/17 13:00		1
Bromomethane	<0.78		0.78		0.78		ug/m ³		04/26/17 13:00		1
Chloroethane	<1.3		1.3		1.3		ug/m ³		04/26/17 13:00		1
Bromoethene(Vinyl Bromide)	<0.87		0.87		0.87		ug/m ³		04/26/17 13:00		1
Trichlorofluoromethane	<1.1		1.1		1.1		ug/m ³		04/26/17 13:00		1
Freon TF	<1.5		1.5		1.5		ug/m ³		04/26/17 13:00		1
1,1-Dichloroethene	<0.79		0.79		0.79		ug/m ³		04/26/17 13:00		1
Acetone	<12		12		12		ug/m ³		04/26/17 13:00		1
Isopropyl alcohol	<12		12		12		ug/m ³		04/26/17 13:00		1
Carbon disulfide	<1.6		1.6		1.6		ug/m ³		04/26/17 13:00		1
3-Chloropropene	<1.6		1.6		1.6		ug/m ³		04/26/17 13:00		1
Methylene Chloride	<1.7		1.7		1.7		ug/m ³		04/26/17 13:00		1
tert-Butyl alcohol	<15		15		15		ug/m ³		04/26/17 13:00		1
Methyl tert-butyl ether	<0.72		0.72		0.72		ug/m ³		04/26/17 13:00		1
trans-1,2-Dichloroethene	<0.79		0.79		0.79		ug/m ³		04/26/17 13:00		1
n-Hexane	<0.70		0.70		0.70		ug/m ³		04/26/17 13:00		1
1,1-Dichloroethane	<0.81		0.81		0.81		ug/m ³		04/26/17 13:00		1
Methyl Ethyl Ketone	<1.5		1.5		1.5		ug/m ³		04/26/17 13:00		1
cis-1,2-Dichloroethene	<0.79		0.79		0.79		ug/m ³		04/26/17 13:00		1
1,2-Dichloroethene, Total	<1.6		1.6		1.6		ug/m ³		04/26/17 13:00		1
Chloroform	<0.98		0.98		0.98		ug/m ³		04/26/17 13:00		1
Tetrahydrofuran	<15		15		15		ug/m ³		04/26/17 13:00		1
1,1,1-Trichloroethane	<1.1		1.1		1.1		ug/m ³		04/26/17 13:00		1
Cyclohexane	<0.69		0.69		0.69		ug/m ³		04/26/17 13:00		1
Carbon tetrachloride	<1.3		1.3		1.3		ug/m ³		04/26/17 13:00		1
2,2,4-Trimethylpentane	<0.93		0.93		0.93		ug/m ³		04/26/17 13:00		1
Benzene	<0.64		0.64		0.64		ug/m ³		04/26/17 13:00		1

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-116129/5

Matrix: Air

Analysis Batch: 116129

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB	MB	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier									
1,2-Dichloroethane	<0.81		0.81		0.81		ug/m3		04/26/17 13:00		1
n-Heptane	<0.82		0.82		0.82		ug/m3		04/26/17 13:00		1
Trichloroethene	<1.1		1.1		1.1		ug/m3		04/26/17 13:00		1
Methyl methacrylate	<2.0		2.0		2.0		ug/m3		04/26/17 13:00		1
1,2-Dichloropropane	<0.92		0.92		0.92		ug/m3		04/26/17 13:00		1
1,4-Dioxane	<18		18		18		ug/m3		04/26/17 13:00		1
Bromodichloromethane	<1.3		1.3		1.3		ug/m3		04/26/17 13:00		1
cis-1,3-Dichloropropene	<0.91		0.91		0.91		ug/m3		04/26/17 13:00		1
methyl isobutyl ketone	<2.0		2.0		2.0		ug/m3		04/26/17 13:00		1
Toluene	<0.75		0.75		0.75		ug/m3		04/26/17 13:00		1
trans-1,3-Dichloropropene	<0.91		0.91		0.91		ug/m3		04/26/17 13:00		1
1,1,2-Trichloroethane	<1.1		1.1		1.1		ug/m3		04/26/17 13:00		1
Tetrachloroethene	<1.4		1.4		1.4		ug/m3		04/26/17 13:00		1
Methyl Butyl Ketone (2-Hexanone)	<2.0		2.0		2.0		ug/m3		04/26/17 13:00		1
Dibromochloromethane	<1.7		1.7		1.7		ug/m3		04/26/17 13:00		1
1,2-Dibromoethane	<1.5		1.5		1.5		ug/m3		04/26/17 13:00		1
Chlorobenzene	<0.92		0.92		0.92		ug/m3		04/26/17 13:00		1
Ethylbenzene	<0.87		0.87		0.87		ug/m3		04/26/17 13:00		1
m,p-Xylene	<2.2		2.2		2.2		ug/m3		04/26/17 13:00		1
Xylene, o-	<0.87		0.87		0.87		ug/m3		04/26/17 13:00		1
Xylene (total)	<3.0		3.0		3.0		ug/m3		04/26/17 13:00		1
Styrene	<0.85		0.85		0.85		ug/m3		04/26/17 13:00		1
Bromoform	<2.1		2.1		2.1		ug/m3		04/26/17 13:00		1
Cumene	<0.98		0.98		0.98		ug/m3		04/26/17 13:00		1
1,1,2,2-Tetrachloroethane	<1.4		1.4		1.4		ug/m3		04/26/17 13:00		1
n-Propylbenzene	<0.98		0.98		0.98		ug/m3		04/26/17 13:00		1
4-Ethyltoluene	<0.98		0.98		0.98		ug/m3		04/26/17 13:00		1
1,3,5-Trimethylbenzene	<0.98		0.98		0.98		ug/m3		04/26/17 13:00		1
2-Chlorotoluene	<1.0		1.0		1.0		ug/m3		04/26/17 13:00		1
tert-Butylbenzene	<1.1		1.1		1.1		ug/m3		04/26/17 13:00		1
1,2,4-Trimethylbenzene	<0.98		0.98		0.98		ug/m3		04/26/17 13:00		1
sec-Butylbenzene	<1.1		1.1		1.1		ug/m3		04/26/17 13:00		1
4-Isopropyltoluene	<1.1		1.1		1.1		ug/m3		04/26/17 13:00		1
1,3-Dichlorobenzene	<1.2		1.2		1.2		ug/m3		04/26/17 13:00		1
1,4-Dichlorobenzene	<1.2		1.2		1.2		ug/m3		04/26/17 13:00		1
Benzyl chloride	<1.0		1.0		1.0		ug/m3		04/26/17 13:00		1
n-Butylbenzene	<1.1		1.1		1.1		ug/m3		04/26/17 13:00		1
1,2-Dichlorobenzene	<1.2		1.2		1.2		ug/m3		04/26/17 13:00		1
1,2,4-Trichlorobenzene	<3.7		3.7		3.7		ug/m3		04/26/17 13:00		1
Hexachlorobutadiene	<2.1		2.1		2.1		ug/m3		04/26/17 13:00		1
Naphthalene	<2.6		2.6		2.6		ug/m3		04/26/17 13:00		1

Lab Sample ID: LCS 200-116129/4

Matrix: Air

Analysis Batch: 116129

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike	LCS	LCS	Unit	D	%Rec.	Limits
	Added	Result	Qualifier				
Dichlorodifluoromethane	10.0	10.3		ppb v/v	103	68 - 128	

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-116129/4

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analysis Batch: 116129

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits	
	Added	Result	Qualifier						
Freon 22	10.0	9.80		ppb v/v		98	64 - 128		
1,2-Dichlorotetrafluoroethane	10.0	11.3		ppb v/v		113	78 - 138		
Chloromethane	10.0	9.18		ppb v/v		92	57 - 126		
n-Butane	10.0	9.39		ppb v/v		94	56 - 130		
Vinyl chloride	10.0	9.24		ppb v/v		92	62 - 125		
1,3-Butadiene	10.0	8.97		ppb v/v		90	59 - 125		
Bromomethane	10.0	10.5		ppb v/v		105	68 - 128		
Chloroethane	10.0	9.89		ppb v/v		99	65 - 125		
Bromoethene(Vinyl Bromide)	10.0	10.4		ppb v/v		104	67 - 127		
Trichlorofluoromethane	10.0	10.4		ppb v/v		104	67 - 127		
Freon TF	10.0	10.5		ppb v/v		105	68 - 128		
1,1-Dichloroethene	10.0	9.85		ppb v/v		99	67 - 127		
Acetone	10.0	8.02		ppb v/v		80	64 - 136		
Isopropyl alcohol	10.0	9.38		ppb v/v		94	55 - 124		
Carbon disulfide	10.0	11.9		ppb v/v		119	81 - 141		
3-Chloropropene	10.0	8.27		ppb v/v		83	53 - 133		
Methylene Chloride	10.0	9.34		ppb v/v		93	62 - 122		
tert-Butyl alcohol	10.0	10.2		ppb v/v		102	64 - 124		
Methyl tert-butyl ether	10.0	8.63		ppb v/v		86	67 - 127		
trans-1,2-Dichloroethene	10.0	10.4		ppb v/v		104	72 - 132		
n-Hexane	10.0	10.0		ppb v/v		100	71 - 131		
1,1-Dichloroethane	10.0	9.84		ppb v/v		98	66 - 126		
Methyl Ethyl Ketone	10.0	8.65		ppb v/v		86	62 - 122		
cis-1,2-Dichloroethene	10.0	10.2		ppb v/v		102	67 - 127		
Chloroform	10.0	9.34		ppb v/v		93	69 - 129		
Tetrahydrofuran	10.0	8.42		ppb v/v		84	61 - 136		
1,1,1-Trichloroethane	10.0	10.3		ppb v/v		103	70 - 130		
Cyclohexane	10.0	10.4		ppb v/v		104	69 - 129		
Carbon tetrachloride	10.0	10.5		ppb v/v		105	62 - 143		
2,2,4-Trimethylpentane	10.0	9.63		ppb v/v		96	67 - 127		
Benzene	10.0	10.2		ppb v/v		102	67 - 127		
1,2-Dichloroethane	10.0	10.3		ppb v/v		103	67 - 132		
n-Heptane	10.0	9.24		ppb v/v		92	62 - 130		
Trichloroethene	10.0	10.2		ppb v/v		102	68 - 128		
Methyl methacrylate	10.0	8.94		ppb v/v		89	70 - 130		
1,2-Dichloropropane	10.0	9.81		ppb v/v		98	67 - 127		
1,4-Dioxane	10.0	9.42		ppb v/v		94	66 - 132		
Bromodichloromethane	10.0	10.5		ppb v/v		105	69 - 129		
cis-1,3-Dichloropropene	10.0	10.8		ppb v/v		108	70 - 130		
methyl isobutyl ketone	10.0	8.81		ppb v/v		88	62 - 130		
Toluene	10.0	9.54		ppb v/v		95	67 - 127		
trans-1,3-Dichloropropene	10.0	9.78		ppb v/v		98	69 - 129		
1,1,2-Trichloroethane	10.0	10.1		ppb v/v		101	69 - 129		
Tetrachloroethene	10.0	9.91		ppb v/v		99	70 - 130		
Methyl Butyl Ketone (2-Hexanone)	10.0	8.98		ppb v/v		90	61 - 127		
Dibromochloromethane	10.0	11.0		ppb v/v		110	66 - 130		
1,2-Dibromoethane	10.0	10.5		ppb v/v		105	70 - 130		

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-116129/4

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analysis Batch: 116129

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits	
	Added	Result	Qualifier						
Chlorobenzene	10.0	10.3		ppb v/v		103	68 - 128		
Ethylbenzene	10.0	9.24		ppb v/v		92	68 - 128		
m,p-Xylene	20.0	18.2		ppb v/v		91	68 - 128		
Xylene, o-	10.0	9.06		ppb v/v		91	67 - 127		
Styrene	10.0	9.30		ppb v/v		93	68 - 128		
Bromoform	10.0	11.3		ppb v/v		113	34 - 170		
Cumene	10.0	8.97		ppb v/v		90	67 - 127		
1,1,2,2-Tetrachloroethane	10.0	9.72		ppb v/v		97	69 - 129		
n-Propylbenzene	10.0	8.98		ppb v/v		90	67 - 127		
4-Ethyltoluene	10.0	9.32		ppb v/v		93	69 - 129		
1,3,5-Trimethylbenzene	10.0	8.89		ppb v/v		89	65 - 125		
2-Chlorotoluene	10.0	9.49		ppb v/v		95	67 - 127		
tert-Butylbenzene	10.0	8.96		ppb v/v		90	63 - 125		
1,2,4-Trimethylbenzene	10.0	8.90		ppb v/v		89	65 - 125		
sec-Butylbenzene	10.0	9.04		ppb v/v		90	66 - 126		
4-Isopropyltoluene	10.0	9.14		ppb v/v		91	67 - 129		
1,3-Dichlorobenzene	10.0	9.88		ppb v/v		99	67 - 127		
1,4-Dichlorobenzene	10.0	9.80		ppb v/v		98	66 - 126		
Benzyl chloride	10.0	9.07		ppb v/v		91	54 - 135		
n-Butylbenzene	10.0	9.36		ppb v/v		94	67 - 127		
1,2-Dichlorobenzene	10.0	9.49		ppb v/v		95	67 - 127		
1,2,4-Trichlorobenzene	10.0	9.58		ppb v/v		96	59 - 126		
Hexachlorobutadiene	10.0	8.86		ppb v/v		89	62 - 130		
Naphthalene	10.0	9.35		ppb v/v		94	50 - 121		
Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits	
	Added	Result	Qualifier						
Dichlorodifluoromethane	49	51.0		ug/m ³		103	68 - 128		
Freon 22	35	34.7		ug/m ³		98	64 - 128		
1,2-Dichlorotetrafluoroethane	70	78.8		ug/m ³		113	78 - 138		
Chloromethane	21	19.0		ug/m ³		92	57 - 126		
n-Butane	24	22.3		ug/m ³		94	56 - 130		
Vinyl chloride	26	23.6		ug/m ³		92	62 - 125		
1,3-Butadiene	22	19.8		ug/m ³		90	59 - 125		
Bromomethane	39	40.7		ug/m ³		105	68 - 128		
Chloroethane	26	26.1		ug/m ³		99	65 - 125		
Bromoethene(Vinyl Bromide)	44	45.5		ug/m ³		104	67 - 127		
Trichlorofluoromethane	56	58.5		ug/m ³		104	67 - 127		
Freon TF	77	80.2		ug/m ³		105	68 - 128		
1,1-Dichloroethene	40	39.1		ug/m ³		99	67 - 127		
Acetone	24	19.1		ug/m ³		80	64 - 136		
Isopropyl alcohol	25	23.1		ug/m ³		94	55 - 124		
Carbon disulfide	31	37.0		ug/m ³		119	81 - 141		
3-Chloropropene	31	25.9		ug/m ³		83	53 - 133		
Methylene Chloride	35	32.4		ug/m ³		93	62 - 122		
tert-Butyl alcohol	30	30.9		ug/m ³		102	64 - 124		
Methyl tert-butyl ether	36	31.1		ug/m ³		86	67 - 127		
trans-1,2-Dichloroethene	40	41.1		ug/m ³		104	72 - 132		
n-Hexane	35	35.4		ug/m ³		100	71 - 131		

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-116129/4

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analysis Batch: 116129

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
	Added	Result	Qualifier					
1,1-Dichloroethane	40	39.8		ug/m3		98	66 - 126	
Methyl Ethyl Ketone	29	25.5		ug/m3		86	62 - 122	
cis-1,2-Dichloroethene	40	40.4		ug/m3		102	67 - 127	
Chloroform	49	45.6		ug/m3		93	69 - 129	
Tetrahydrofuran	29	24.8		ug/m3		84	61 - 136	
1,1,1-Trichloroethane	55	56.0		ug/m3		103	70 - 130	
Cyclohexane	34	35.9		ug/m3		104	69 - 129	
Carbon tetrachloride	63	66.0		ug/m3		105	62 - 143	
2,2,4-Trimethylpentane	47	45.0		ug/m3		96	67 - 127	
Benzene	32	32.7		ug/m3		102	67 - 127	
1,2-Dichloroethane	40	41.5		ug/m3		103	67 - 132	
n-Heptane	41	37.9		ug/m3		92	62 - 130	
Trichloroethene	54	54.6		ug/m3		102	68 - 128	
Methyl methacrylate	41	36.6		ug/m3		89	70 - 130	
1,2-Dichloropropane	46	45.3		ug/m3		98	67 - 127	
1,4-Dioxane	36	34.0		ug/m3		94	66 - 132	
Bromodichloromethane	67	70.3		ug/m3		105	69 - 129	
cis-1,3-Dichloropropene	45	49.1		ug/m3		108	70 - 130	
methyl isobutyl ketone	41	36.1		ug/m3		88	62 - 130	
Toluene	38	35.9		ug/m3		95	67 - 127	
trans-1,3-Dichloropropene	45	44.4		ug/m3		98	69 - 129	
1,1,2-Trichloroethane	55	54.9		ug/m3		101	69 - 129	
Tetrachloroethene	68	67.2		ug/m3		99	70 - 130	
Methyl Butyl Ketone (2-Hexanone)	41	36.8		ug/m3		90	61 - 127	
Dibromochloromethane	85	94.0		ug/m3		110	66 - 130	
1,2-Dibromoethane	77	80.6		ug/m3		105	70 - 130	
Chlorobenzene	46	47.3		ug/m3		103	68 - 128	
Ethylbenzene	43	40.1		ug/m3		92	68 - 128	
m,p-Xylene	87	79.1		ug/m3		91	68 - 128	
Xylene, o-	43	39.3		ug/m3		91	67 - 127	
Styrene	43	39.6		ug/m3		93	68 - 128	
Bromoform	100	117		ug/m3		113	34 - 170	
Cumene	49	44.1		ug/m3		90	67 - 127	
1,1,2,2-Tetrachloroethane	69	66.7		ug/m3		97	69 - 129	
n-Propylbenzene	49	44.1		ug/m3		90	67 - 127	
4-Ethyltoluene	49	45.8		ug/m3		93	69 - 129	
1,3,5-Trimethylbenzene	49	43.7		ug/m3		89	65 - 125	
2-Chlorotoluene	52	49.1		ug/m3		95	67 - 127	
tert-Butylbenzene	55	49.2		ug/m3		90	63 - 125	
1,2,4-Trimethylbenzene	49	43.8		ug/m3		89	65 - 125	
sec-Butylbenzene	55	49.6		ug/m3		90	66 - 126	
4-Isopropyltoluene	55	50.2		ug/m3		91	67 - 129	
1,3-Dichlorobenzene	60	59.4		ug/m3		99	67 - 127	
1,4-Dichlorobenzene	60	58.9		ug/m3		98	66 - 126	
Benzyl chloride	52	47.0		ug/m3		91	54 - 135	
n-Butylbenzene	55	51.4		ug/m3		94	67 - 127	
1,2-Dichlorobenzene	60	57.1		ug/m3		95	67 - 127	

TestAmerica Burlington

QC Sample Results

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-116129/4

Client Sample ID: Lab Control Sample

Matrix: Air

Prep Type: Total/NA

Analysis Batch: 116129

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec.	Limits
1,2,4-Trichlorobenzene	74	71.1		ug/m3		96	59 - 126
Hexachlorobutadiene	110	94.5		ug/m3		89	62 - 130
Naphthalene	52	49.0		ug/m3		94	50 - 121

QC Association Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Air - GC/MS VOA

Analysis Batch: 116039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-38312-2	VIA-3	Total/NA	Air	TO-15	1
200-38312-4	VIA-7	Total/NA	Air	TO-15	2
MB 200-116039/4	Method Blank	Total/NA	Air	TO-15	3
LCS 200-116039/3	Lab Control Sample	Total/NA	Air	TO-15	4

Analysis Batch: 116083

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-38312-1	VIA-2	Total/NA	Air	TO-15	5
200-38312-3	VIA-5	Total/NA	Air	TO-15	6
MB 200-116083/4	Method Blank	Total/NA	Air	TO-15	7
LCS 200-116083/3	Lab Control Sample	Total/NA	Air	TO-15	8

Analysis Batch: 116129

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-38312-5	Dup-1 (041917)	Total/NA	Air	TO-15	9
MB 200-116129/5	Method Blank	Total/NA	Air	TO-15	10
LCS 200-116129/4	Lab Control Sample	Total/NA	Air	TO-15	11

Lab Chronicle

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Client Sample ID: VIA-2

Date Collected: 04/19/17 17:05
Date Received: 04/21/17 10:15

Lab Sample ID: 200-38312-1

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2.99	116083	04/25/17 18:01	K1P	TAL BUR

Client Sample ID: VIA-3

Date Collected: 04/19/17 17:06
Date Received: 04/21/17 10:15

Lab Sample ID: 200-38312-2

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2	116039	04/24/17 16:45	P1M	TAL BUR

Client Sample ID: VIA-5

Date Collected: 04/19/17 17:10
Date Received: 04/21/17 10:15

Lab Sample ID: 200-38312-3

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2	116083	04/25/17 18:53	K1P	TAL BUR

Client Sample ID: VIA-7

Date Collected: 04/19/17 17:15
Date Received: 04/21/17 10:15

Lab Sample ID: 200-38312-4

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	116039	04/24/17 18:25	P1M	TAL BUR

Client Sample ID: Dup-1 (041917)

Date Collected: 04/19/17 17:11
Date Received: 04/21/17 10:15

Lab Sample ID: 200-38312-5

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2	116129	04/26/17 13:50	PAD	TAL BUR

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

TestAmerica Burlington

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipping of samples.
200-38312 Chain of Custody

Client Contact Information		Project Manager: <u>Ryan Gerber</u>	Samples Collected By: <u>D. Rhodes</u>	/ of / COCs			
Company: <u>Araxis</u>	Phone: <u>919 - 415 - 2265</u>						
Address: <u>801 Corporate Center Dr. Ste. 300</u>	Email: <u>ryan.gerber@araxis.com</u>						
City/State/Zip: <u>Raleigh NC 27607</u>	Site Contact: <u>Terry Lauer</u>						
Phone: <u>919-854-1282</u>	TA Contact: <u>Jerry Lauer</u>						
Project Name: <u>Ashland - Greenboro</u>	Analysis Turnaround Time						
Site: <u>PO#008000. NC10</u>	Standard (Specify) <u>10 bus. days</u>						
PO #	Rush (Specify)						
Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID
VIA-2	4-19-17 0905	1705	-30	-6.5	4027	3146	X
VIA-3	4-19-17 0906	1706	-30	-7	6082	5060	X
VIA-5	4-19-17 0910	1710	-30	-10	4537	3220	X
VIA-7	4-19-17 0915	1715	-30	-7	1566	610	X
Dup-1 (041917)	4-19-17 0911	1711	-30	-10	5170	5966	X
Temperature (Fahrenheit)							
	Interior	Ambient					
	Start						
	Stop						
Pressure (inches of Hg)							
	Interior	Ambient					
	Start						
	Stop						
Special Instructions/QC Requirements & Comments: <u>Contact TA Savannah for login when samples are received</u>							
Samples Shipped by: <u>D. Rhodes</u>	Date/Time: <u>4-20-17 1300</u>	Samples Received by: <u>TestAmerica</u>			Condition: <u>10/17/2015</u>		
Samples Relinquished by:	Date/Time:	Received by:					
Relinquished by:	Date/Time:	Received by:					
Lab Use Only	Shipper Name: <u>D. Rhodes</u>	Opened by: <u>DR</u>			Condition: <u>10/17/2015</u>		



Package
US Airbill

FedEx
Tracking
Number

8115 6706 0649

From

Date 11-20-17

Sender's
Name

Phone 919 854-1282

Company ARCADIS

Address 801 CORPORATE CENTER DR

Dept/Floor/Suite/Room

City RALEIGH

State NC ZIP 27607-5486

Your Internal Billing Reference

CH 20800 NC10

To
Recipient's
Name

Phone

Company

Tel America Building

Address 201 Franklin Dr., Ste. 400

Dept/Floor/Suite/Room

Hold Weekly
FedEx location address
REQUIRED, NOT available for
FedEx First Overnight.

Hold Saturday
FedEx location address
REQUIRED, AVAILABLE ONLY for
FedEx Priority Overnight and
FedEx 2Day to select locations.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City SOUTH BURLINGTON

State VT

ZIP 05403

0126694550



8115 6706 0649

0215

Recipients Copy

4 Express Package Service

* To most locations.

Packages up to 150 lbs.

For packages over 150 lbs., use the

FedEx Express Freight US Airbill.

Next Business Day

FedEx First Overnight
Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.

FedEx Priority Overnight
Next business morning.* Friday shipments will be delivered on Monday unless Saturday Delivery is selected.

FedEx Standard Overnight
Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

FedEx 2Day A.M.
Second business morning.* Saturday Delivery NOT available.

FedEx 2Day
Second business afternoon.* Thursday shipments will be delivered on Monday unless Saturday Delivery is selected.

FedEx Express Saver
Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit \$500.

FedEx Envelope* FedEx Pak* FedEx Box FedEx Tube Other

6 Special Handling and Delivery Signature Options Fees may apply. See the FedEx Service Guide.

Saturday Delivery
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

No Signature Required
Package may be left without obtaining a signature for delivery.

Direct Signature
Someone at recipient's address may sign for delivery.

Indirect Signature
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.

Does this shipment contain dangerous goods?

One box must be checked.

No Yes
As per attached Shipper's Declaration. Yes
Shipper's Declaration not required.

Dry Ice
Dry ice, 5 UN 1845 _____ kg
 Cargo Aircraft Only

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No.
Sender Acct. No. in Section I will be billed. Recipient Third Party Credit Card Cash/Check

Total Packages Total Weight

Credit Card Auth.

1 lbs.

Your liability is limited to US\$100 unless you declare a higher value. See the current FedEx Service Guide for details.

b11

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FedEx® Express Package US Airbill

FedEx Tracking Number

8115 6706 0638

1 From

Date 4-20-17

Sender's Name Dr. R. L.

Phone 910 954-1282

Company ARCADIS

Address 801 CORPORATE CENTER DR

Dept./Floor/Suite/Room

City RALEIGH

State NC

ZIP 27607-5484

2 Your Internal Billing Reference

OH 00360-A1XIN

3 To
Recipient's Name

Phone

Company Tech American Packaging

Address 20 Community Drive South Hill

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Dept./Floor/Suite/Room

Hold Weekly
FedEx location address
REQUIRED. NOT available for
FedEx First Overnight.Hold Saturday
FedEx location address
REQUIRED. Available ONLY for
FedEx Sunday Overnight and
FedEx 2Day to select locations.

0126694550



8115 6706 0638

4 Express Package Service

*Term restrictions.

Packages up to 150 lbs.

For packages over 150 lbs., use the
FedEx Express Freight US Airbill.**Next Business Day** FedEx First Overnight

Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.

 FedEx Priority Overnight

Next business morning. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.

 FedEx Standard Overnight

Next business afternoon.* Saturday Delivery NOT available.

5 Packaging

*Declared value limit \$500.

 FedEx Envelope* FedEx Pak* FedEx Box FedEx Tube Other**6 Special Handling and Delivery Signature Options**

Fees may apply. See the FedEx Service Guide.

 Saturday Delivery

NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

 No Signature Required

Package may be left without obtaining a signature for delivery.

 Direct Signature

Someone at recipient's address may sign for delivery.

 Indirect Signature

If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.

 Does this shipment contain dangerous goods?

One box must be checked.

 No Yes

As per attached

Shipper's Declaration.

 Shipper's Declaration

not required.

 Dry Ice

Dry ice, 9, UN 1845

kg

 Cargo Aircraft Only

Restrictions apply for dangerous goods — see the current FedEx Service Guide.

7 Payment Bill to:

Enter FedEx Acct. No. or Credit Card No. below.

Obtain recip. Acct. No. Sender

Acct. No. in Section

will be checked.

 Recipient Third Party Credit Card Cash/Check

Total Packages Total Weight

Credit Card Auth.

1 lbs.

*Our liability is limited to US\$100 unless you declare a higher value. See the current FedEx Service Guide for details.

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611

Login Sample Receipt Checklist

Client: ARCADIS U.S., Inc.

Job Number: 200-38312-1

Login Number: 38312

List Source: TestAmerica Burlington

List Number: 1

Creator: Cota, Fred P

Question	Answer	Comment	
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	Lab does not accept radioactive samples.	6
The cooler's custody seal, if present, is intact.	True		7
Sample custody seals, if present, are intact.	True		8
The cooler or samples do not appear to have been compromised or tampered with.	True		9
Samples were received on ice.	N/A	Thermal preservation not required.	10
Cooler Temperature is acceptable.	True		11
Cooler Temperature is recorded.	N/A	Thermal preservation not required.	12
COC is present.	True		13
COC is filled out in ink and legible.	True		14
COC is filled out with all pertinent information.	True		15
Is the Field Sampler's name present on COC?	True	DR	
There are no discrepancies between the containers received and the COC.	True		
Samples are received within Holding Time (excluding tests with immediate HTs)	True		
Sample containers have legible labels.	True		
Containers are not broken or leaking.	True		
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	N/A		
Sample Preservation Verified.	True		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True		
Multiphasic samples are not present.	True		
Samples do not require splitting or compositing.	True		
Residual Chlorine Checked.	N/A		

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington

Job No.: 200-37974-1

SDG No.: _____

Client Sample ID: 5696

Lab Sample ID: 200-37974-1

Matrix: Air

Lab File ID: 24537_25.D

Analysis Method: TO-15

Date Collected: 03/28/2017 00:00

Sample wt/vol: 1000 (mL)

Date Analyzed: 04/02/2017 12:26

Soil Aliquot Vol: _____

Dilution Factor: 0.2

Soil Extract Vol.: _____

GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____

Level: (low/med) Low

Analysis Batch No.: 115377

Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U *	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington

Job No.: 200-37974-1

SDG No.: _____

Client Sample ID: 5696

Lab Sample ID: 200-37974-1

Matrix: Air

Lab File ID: 24537_25.D

Analysis Method: TO-15

Date Collected: 03/28/2017 00:00

Sample wt/vol: 1000 (mL)

Date Analyzed: 04/02/2017 12:26

Soil Aliquot Vol: _____

Dilution Factor: 0.2

Soil Extract Vol.: _____

GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____

Level: (low/med) Low

Analysis Batch No.: 115377

Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington

Job No.: 200-37974-1

SDG No.: _____

Client Sample ID: 5696

Lab Sample ID: 200-37974-1

Matrix: Air

Lab File ID: 24537_25.D

Analysis Method: TO-15

Date Collected: 03/28/2017 00:00

Sample wt/vol: 1000 (mL)

Date Analyzed: 04/02/2017 12:26

Soil Aliquot Vol: _____

Dilution Factor: 0.2

Soil Extract Vol.: _____

GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____

Level: (low/med) Low

Analysis Batch No.: 115377

Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\ChromNA\Burlington\ChromData\CHX.i\20170401-24537.b\24537_25.D		
Lims ID:	200-37974-A-1		
Client ID:	5696		
Sample Type:	Client		
Inject. Date:	02-Apr-2017 12:26:30	ALS Bottle#:	8
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Sample Info:	200-0024537-025		
Misc. Info.:	37974-1		
Operator ID:	wrd	Instrument ID:	CHX.i
Method:	\ChromNA\Burlington\ChromData\CHX.i\20170401-24537.b\TO15_MasterMethod_X.m.m		
Limit Group:	AI_TO15_ICAL		
Last Update:	03-Apr-2017 12:06:16	Calib Date:	19-Feb-2017 19:03:30
Integrator:	RTE	ID Type:	Deconvolution ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\ChromNA\Burlington\ChromData\CHX.i\20170219-23993.b\23993_11.D		
Column 1 :	RTX-624 (0.32 mm)	Det:	MS SCAN
Process Host:	XAWRK031		

First Level Reviewer: maheseep Date: 03-Apr-2017 12:07:08

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
----------	-----	-----------	---------------	---------------	---	----------	-------------------	-------

1 Propene	41	3.060					ND	
2 Dichlorodifluoromethane	85	3.129					ND	
3 Chlorodifluoromethane	51	3.178					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.381					ND	
5 Chloromethane	50	3.509					ND	
6 Butane	43	3.696					ND	
7 Vinyl chloride	62	3.739					ND	
8 Butadiene	54	3.814					ND	
10 Bromomethane	94	4.461					ND	
11 Chloroethane	64	4.681					ND	
13 Vinyl bromide	106	5.050					ND	
14 Trichlorodifluoromethane	101	5.141					ND	
17 Ethanol	45	5.745					ND	
20 1,1,2-Trichloro-1,2,2-trif	101	6.173					ND	
21 1,1-Dichloroethene	96	6.227					ND	
22 Acetone	43	6.505					ND	
23 Carbon disulfide	76	6.617					ND	
24 Isopropyl alcohol	45	6.810					ND	
25 3-Chloro-1-propene	41	7.008					ND	
27 Methylene Chloride	49	7.302					ND	
28 2-Methyl-2-propanol	59	7.591					ND	
29 Methyl tert-butyl ether	73	7.730					ND	
31 trans-1,2-Dichloroethene	61	7.735					ND	
33 Hexane	57	8.110					ND	
34 1,1-Dichloroethane	63	8.629					ND	
35 Vinyl acetate	43	8.720					ND	
S 30 1,2-Dichloroethene, Total	61	9.665					ND	
37 cis-1,2-Dichloroethene	96	9.774					ND	
38 2-Butanone (MEK)	72	9.870					ND	
39 Ethyl acetate	88	9.907					ND	
* 40 Chlorobromomethane	128	10.260	10.261	-0.001	87	144788	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 Tetrahydrofuran	42		10.309				ND	
42 Chloroform	83		10.400				ND	
43 Cyclohexane	84		10.635				ND	
44 1,1,1-Trichloroethane	97		10.678				ND	
45 Carbon tetrachloride	117		10.935				ND	
46 Isooctane	57		11.384				ND	
47 Benzene	78		11.443				ND	
48 1,2-Dichloroethane	62		11.651				ND	
49 n-Heptane	43		11.807				ND	
* 50 1,4-Difluorobenzene	114	12.352	12.352	0.000	93	809232	10.0	
53 Trichloroethene	95		12.839				ND	
54 1,2-Dichloropropane	63		13.444				ND	
55 Methyl methacrylate	69		13.647				ND	
57 Dibromomethane	174		13.716				ND	
56 1,4-Dioxane	88		13.727				ND	
58 Dichlorobromomethane	83		14.021				ND	
60 cis-1,3-Dichloropropene	75		15.006				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.348				ND	
65 Toluene	92		15.621				ND	
66 trans-1,3-Dichloropropene	75		16.263				ND	
67 1,1,2-Trichloroethane	83		16.659				ND	
68 Tetrachloroethene	166		16.744				ND	
69 2-Hexanone	43		17.167				ND	
71 Chlorodibromomethane	129		17.456				ND	
72 Ethylene Dibromide	107		17.739				ND	
* 74 Chlorobenzene-d5	117	18.681	18.686	-0.005	84	732157	10.0	
75 Chlorobenzene	112		18.751				ND	
76 Ethylbenzene	91		18.911				ND	
78 m-Xylene & p-Xylene	106		19.178				ND	
S 73 Xylenes, Total	106		19.600				ND	
79 o-Xylene	106		20.072				ND	
80 Styrene	104		20.136				ND	
81 Bromoform	173		20.596				ND	
82 Isopropylbenzene	105		20.821				ND	
84 1,1,2,2-Tetrachloroethane	83		21.543				ND	
85 N-Propylbenzene	91		21.602				ND	
88 4-Ethyltoluene	105		21.805				ND	
89 2-Chlorotoluene	91		21.811				ND	
90 1,3,5-Trimethylbenzene	105		21.918				ND	
92 tert-Butylbenzene	119		22.431				ND	
93 1,2,4-Trimethylbenzene	105		22.533				ND	
94 sec-Butylbenzene	105		22.773				ND	
95 4-Isopropyltoluene	119		22.987				ND	
96 1,3-Dichlorobenzene	146		23.014				ND	
97 1,4-Dichlorobenzene	146		23.153				ND	
98 Benzyl chloride	91		23.367				ND	
100 n-Butylbenzene	91		23.581				ND	
101 1,2-Dichlorobenzene	146		23.710				ND	
103 1,2,4-Trichlorobenzene	180		26.299				ND	
104 Hexachlorobutadiene	225		26.486				ND	
105 Naphthalene	128		26.807				ND	

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

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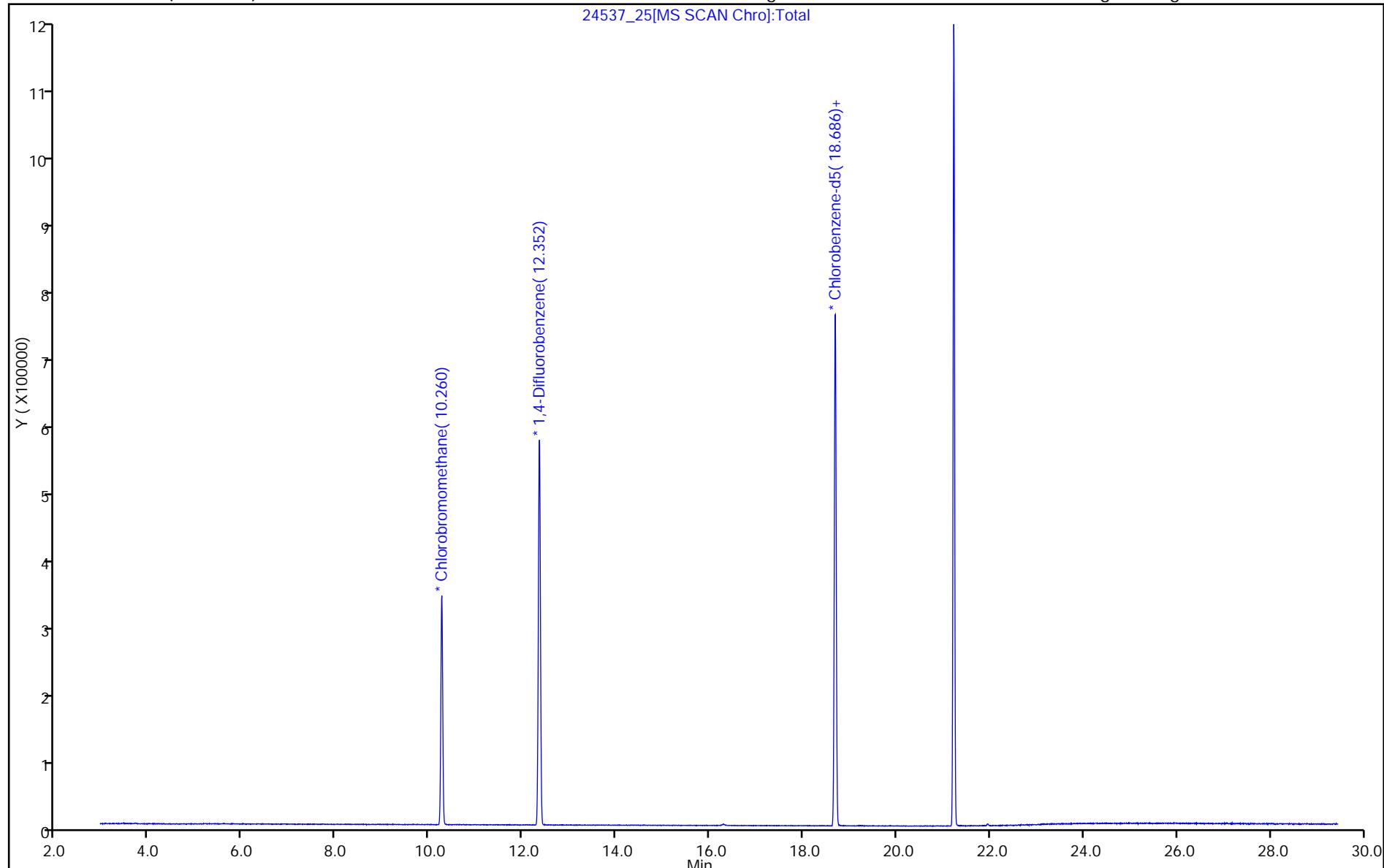
Report Date: 03-Apr-2017 12:07:09

Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHX.i\\20170401-24537.b\\24537_25.D
Injection Date: 02-Apr-2017 12:26:30 Instrument ID: CHX.i Operator ID: wrd
Lims ID: 200-37974-A-1 Lab Sample ID: 200-37974-1 Worklist Smp#: 25
Client ID: 5696
Purge Vol: 200.000 mL Dil. Factor: 0.2000 ALS Bottle#: 8
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington

Job No.: 200-38030-1

SDG No.: _____

Client Sample ID: 4324

Lab Sample ID: 200-38030-1

Matrix: Air

Lab File ID: 24537_10.D

Analysis Method: TO-15

Date Collected: 03/31/2017 00:00

Sample wt/vol: 1000 (mL)

Date Analyzed: 04/01/2017 23:21

Soil Aliquot Vol: _____

Dilution Factor: 0.2

Soil Extract Vol.: _____

GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____

Level: (low/med) Low

Analysis Batch No.: 115377

Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U *	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington

Job No.: 200-38030-1

SDG No.: _____

Client Sample ID: 4324

Lab Sample ID: 200-38030-1

Matrix: Air

Lab File ID: 24537_10.D

Analysis Method: TO-15

Date Collected: 03/31/2017 00:00

Sample wt/vol: 1000 (mL)

Date Analyzed: 04/01/2017 23:21

Soil Aliquot Vol: _____

Dilution Factor: 0.2

Soil Extract Vol.: _____

GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____

Level: (low/med) Low

Analysis Batch No.: 115377

Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington

Job No.: 200-38030-1

SDG No.: _____

Client Sample ID: 4324

Lab Sample ID: 200-38030-1

Matrix: Air

Lab File ID: 24537_10.D

Analysis Method: TO-15

Date Collected: 03/31/2017 00:00

Sample wt/vol: 1000 (mL)

Date Analyzed: 04/01/2017 23:21

Soil Aliquot Vol: _____

Dilution Factor: 0.2

Soil Extract Vol.: _____

GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____

Level: (low/med) Low

Analysis Batch No.: 115377

Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\\Burlington\\ChromData\\CHX.i\\20170401-24537.b\\24537_10.D
 Lims ID: 200-38030-A-1
 Client ID: 4324
 Sample Type: Client
 Inject. Date: 01-Apr-2017 23:21:30 ALS Bottle#: 9 Worklist Smp#: 10
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0024537-010
 Misc. Info.: 38030-1
 Operator ID: wrd Instrument ID: CHX.i
 Method: \\ChromNA\\Burlington\\ChromData\\CHX.i\\20170401-24537.b\\TO15_MasterMethod_X.m.m
 Limit Group: AI_TO15_ICAL
 Last Update: 03-Apr-2017 10:48:23 Calib Date: 19-Feb-2017 19:03:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\\Burlington\\ChromData\\CHX.i\\20170219-23993.b\\23993_11.D
 Column 1: RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK031

First Level Reviewer: maheseep Date: 03-Apr-2017 10:48:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
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1 Propene	41	3.060					ND	
2 Dichlorodifluoromethane	85	3.129					ND	
3 Chlorodifluoromethane	51	3.178					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.381					ND	
5 Chloromethane	50	3.509					ND	
6 Butane	43	3.702	3.696	0.006	98	2196	0.1177	
7 Vinyl chloride	62	3.739					ND	
8 Butadiene	54	3.814					ND	
10 Bromomethane	94	4.461					ND	
11 Chloroethane	64	4.681					ND	
13 Vinyl bromide	106	5.050					ND	
14 Trichlorodifluoromethane	101	5.141					ND	
17 Ethanol	45	5.745					ND	
20 1,1,2-Trichloro-1,2,2-trif	101	6.173					ND	
21 1,1-Dichloroethene	96	6.227					ND	
22 Acetone	43	6.505					ND	
23 Carbon disulfide	76	6.617					ND	
24 Isopropyl alcohol	45	6.810					ND	
25 3-Chloro-1-propene	41	7.008					ND	
27 Methylene Chloride	49	7.302					ND	
28 2-Methyl-2-propanol	59	7.591					ND	
29 Methyl tert-butyl ether	73	7.730					ND	
31 trans-1,2-Dichloroethene	61	7.735					ND	
33 Hexane	57	8.110					ND	
34 1,1-Dichloroethane	63	8.629					ND	
35 Vinyl acetate	43	8.720					ND	
S 30 1,2-Dichloroethene, Total	61	9.665					ND	
37 cis-1,2-Dichloroethene	96	9.774					ND	
38 2-Butanone (MEK)	72	9.870					ND	
39 Ethyl acetate	88	9.907					ND	
* 40 Chlorobromomethane	128	10.261	10.261	0.000	86	138791	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 Tetrahydrofuran	42		10.309				ND	
42 Chloroform	83		10.400				ND	
43 Cyclohexane	84		10.635				ND	
44 1,1,1-Trichloroethane	97		10.678				ND	
45 Carbon tetrachloride	117		10.935				ND	
46 Isooctane	57		11.384				ND	
47 Benzene	78		11.443				ND	
48 1,2-Dichloroethane	62		11.651				ND	
49 n-Heptane	43		11.807				ND	
* 50 1,4-Difluorobenzene	114	12.352	12.352	0.000	93	775669	10.0	
53 Trichloroethene	95		12.839				ND	
54 1,2-Dichloropropane	63		13.444				ND	
55 Methyl methacrylate	69		13.647				ND	
57 Dibromomethane	174		13.716				ND	
56 1,4-Dioxane	88		13.727				ND	
58 Dichlorobromomethane	83		14.021				ND	
60 cis-1,3-Dichloropropene	75		15.006				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.348				ND	
65 Toluene	92		15.621				ND	
66 trans-1,3-Dichloropropene	75		16.263				ND	
67 1,1,2-Trichloroethane	83		16.659				ND	
68 Tetrachloroethene	166		16.744				ND	
69 2-Hexanone	43		17.167				ND	
71 Chlorodibromomethane	129		17.456				ND	
72 Ethylene Dibromide	107		17.739				ND	
* 74 Chlorobenzene-d5	117	18.681	18.686	-0.005	84	700549	10.0	
75 Chlorobenzene	112		18.751				ND	
76 Ethylbenzene	91		18.911				ND	
78 m-Xylene & p-Xylene	106		19.178				ND	
S 73 Xylenes, Total	106		19.600				ND	
79 o-Xylene	106		20.072				ND	
80 Styrene	104		20.136				ND	
81 Bromoform	173		20.596				ND	
82 Isopropylbenzene	105		20.821				ND	
84 1,1,2,2-Tetrachloroethane	83		21.543				ND	
85 N-Propylbenzene	91		21.602				ND	
88 4-Ethyltoluene	105		21.805				ND	
89 2-Chlorotoluene	91		21.811				ND	
90 1,3,5-Trimethylbenzene	105		21.918				ND	
92 tert-Butylbenzene	119		22.431				ND	
93 1,2,4-Trimethylbenzene	105		22.533				ND	
94 sec-Butylbenzene	105		22.773				ND	
95 4-Isopropyltoluene	119		22.987				ND	
96 1,3-Dichlorobenzene	146		23.014				ND	
97 1,4-Dichlorobenzene	146		23.153				ND	
98 Benzyl chloride	91		23.367				ND	
100 n-Butylbenzene	91		23.581				ND	
101 1,2-Dichlorobenzene	146		23.710				ND	
103 1,2,4-Trichlorobenzene	180		26.299				ND	
104 Hexachlorobutadiene	225		26.486				ND	
105 Naphthalene	128		26.807				ND	

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

1

2

3

4

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6

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10

11

12

13

14

15

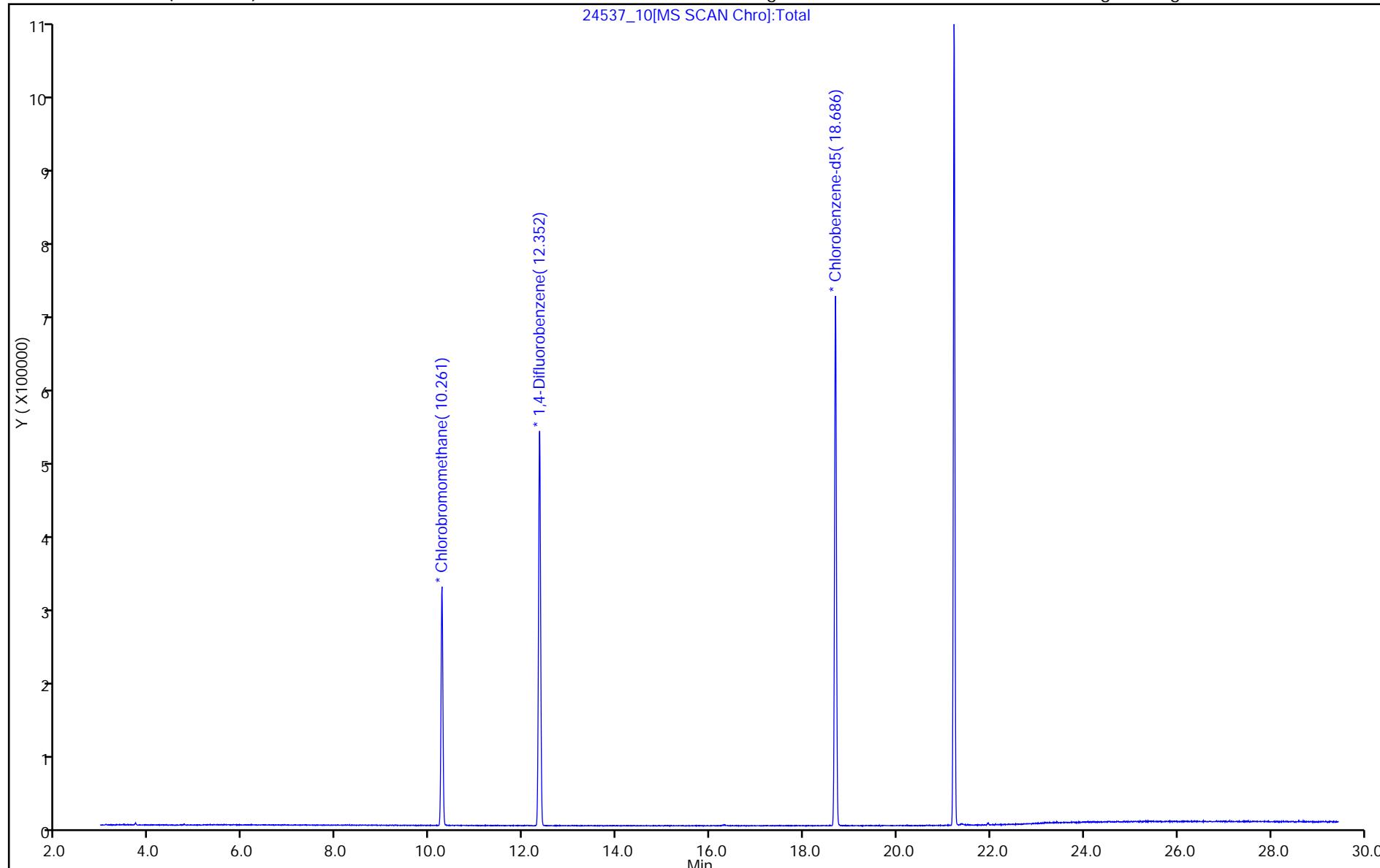
Report Date: 03-Apr-2017 10:48:24

Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Burlington
Data File: \\ChromNA\\Burlington\\ChromData\\CHX.i\\20170401-24537.b\\24537_10.D
Injection Date: 01-Apr-2017 23:21:30 Instrument ID: CHX.i
Lims ID: 200-38030-A-1 Lab Sample ID: 200-38030-1
Client ID: 4324
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm)

Operator ID: wrd
Worklist Smp#: 10
ALS Bottle#: 9

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington

Job No.: 200-38041-1

SDG No.: _____

Client Sample ID: 3212

Lab Sample ID: 200-38041-12

Matrix: Air

Lab File ID: 24548_18.D

Analysis Method: TO-15

Date Collected: 04/01/2017 00:00

Sample wt/vol: 1000 (mL)

Date Analyzed: 04/04/2017 01:43

Soil Aliquot Vol: _____

Dilution Factor: 0.2

Soil Extract Vol.: _____

GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____

Level: (low/med) Low

Analysis Batch No.: 115389

Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington

Job No.: 200-38041-1

SDG No.: _____

Client Sample ID: 3212

Lab Sample ID: 200-38041-12

Matrix: Air

Lab File ID: 24548_18.D

Analysis Method: TO-15

Date Collected: 04/01/2017 00:00

Sample wt/vol: 1000 (mL)

Date Analyzed: 04/04/2017 01:43

Soil Aliquot Vol: _____

Dilution Factor: 0.2

Soil Extract Vol.: _____

GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____

Level: (low/med) Low

Analysis Batch No.: 115389

Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington

Job No.: 200-38041-1

SDG No.: _____

Client Sample ID: 3212

Lab Sample ID: 200-38041-12

Matrix: Air

Lab File ID: 24548_18.D

Analysis Method: TO-15

Date Collected: 04/01/2017 00:00

Sample wt/vol: 1000 (mL)

Date Analyzed: 04/04/2017 01:43

Soil Aliquot Vol: _____

Dilution Factor: 0.2

Soil Extract Vol.: _____

GC Column: RTX-624 ID: 0.32 (mm)

% Moisture: _____

Level: (low/med) Low

Analysis Batch No.: 115389

Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File:	\ChromNA\Burlington\ChromData\CHX.i\20170403-24548.b\24548_18.D		
Lims ID:	200-38041-A-12		
Client ID:	3212		
Sample Type:	Client		
Inject. Date:	04-Apr-2017 01:43:30	ALS Bottle#:	16
Purge Vol:	200.000 mL	Dil. Factor:	0.2000
Sample Info:	200-0024548-018		
Misc. Info.:	38041-12		
Operator ID:	wrd	Instrument ID:	CHX.i
Method:	\ChromNA\Burlington\ChromData\CHX.i\20170403-24548.b\TO15_MasterMethod_X.m.m		
Limit Group:	AI_TO15_ICAL		
Last Update:	04-Apr-2017 15:41:56	Calib Date:	19-Feb-2017 19:03:30
Integrator:	RTE	ID Type:	Deconvolution ID
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\ChromNA\Burlington\ChromData\CHX.i\20170219-23993.b\23993_11.D		
Column 1 :	RTX-624 (0.32 mm)	Det:	MS SCAN
Process Host:	XAWRK034		

First Level Reviewer: puangmaleek Date: 04-Apr-2017 15:41:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
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1 Propene	41	3.060					ND	
2 Dichlorodifluoromethane	85	3.129					ND	
3 Chlorodifluoromethane	51	3.178					ND	
4 1,2-Dichloro-1,1,2,2-tetra	85	3.381					ND	
5 Chloromethane	50	3.515					ND	
6 Butane	43	3.697					ND	
7 Vinyl chloride	62	3.745					ND	
8 Butadiene	54	3.814					ND	
10 Bromomethane	94	4.462					ND	
11 Chloroethane	64	4.681					ND	
13 Vinyl bromide	106	5.050					ND	
14 Trichlorodifluoromethane	101	5.141					ND	
17 Ethanol	45	5.751					ND	
20 1,1,2-Trichloro-1,2,2-trif	101	6.173					ND	
21 1,1-Dichloroethene	96	6.227					ND	
22 Acetone	43	6.505					ND	
23 Carbon disulfide	76	6.617					ND	
24 Isopropyl alcohol	45	6.810					ND	
25 3-Chloro-1-propene	41	7.008					ND	
27 Methylene Chloride	49	7.302					ND	
28 2-Methyl-2-propanol	59	7.591					ND	
29 Methyl tert-butyl ether	73	7.736					ND	
31 trans-1,2-Dichloroethene	61	7.736					ND	
33 Hexane	57	8.110					ND	
34 1,1-Dichloroethane	63	8.629					ND	
35 Vinyl acetate	43	8.720					ND	
S 30 1,2-Dichloroethene, Total	61	9.665					ND	
37 cis-1,2-Dichloroethene	96	9.774					ND	
38 2-Butanone (MEK)	72	9.870					ND	
39 Ethyl acetate	88	9.902					ND	
* 40 Chlorobromomethane	128	10.260	10.266	-0.006	82	166862	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 Tetrahydrofuran	42		10.314				ND	
42 Chloroform	83		10.400				ND	
43 Cyclohexane	84		10.630				ND	
44 1,1,1-Trichloroethane	97		10.678				ND	
45 Carbon tetrachloride	117		10.935				ND	
46 Isooctane	57		11.384				ND	
47 Benzene	78		11.443				ND	
48 1,2-Dichloroethane	62		11.652				ND	
49 n-Heptane	43		11.801				ND	
* 50 1,4-Difluorobenzene	114	12.352	12.347	0.005	92	934745	10.0	
53 Trichloroethene	95		12.839				ND	
54 1,2-Dichloropropane	63		13.449				ND	
55 Methyl methacrylate	69		13.647				ND	
57 Dibromomethane	174		13.717				ND	
56 1,4-Dioxane	88		13.727				ND	
58 Dichlorobromomethane	83		14.027				ND	
60 cis-1,3-Dichloropropene	75		15.006				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.348				ND	
65 Toluene	92		15.616				ND	
66 trans-1,3-Dichloropropene	75		16.263				ND	
67 1,1,2-Trichloroethane	83		16.654				ND	
68 Tetrachloroethene	166		16.739				ND	
69 2-Hexanone	43		17.167				ND	
71 Chlorodibromomethane	129		17.456				ND	
72 Ethylene Dibromide	107		17.740				ND	
* 74 Chlorobenzene-d5	117	18.686	18.681	0.005	83	821424	10.0	
75 Chlorobenzene	112		18.745				ND	
76 Ethylbenzene	91		18.911				ND	
78 m-Xylene & p-Xylene	106		19.179				ND	
S 73 Xylenes, Total	106		19.600				ND	
79 o-Xylene	106		20.072				ND	
80 Styrene	104		20.136				ND	
81 Bromoform	173		20.596				ND	
82 Isopropylbenzene	105		20.821				ND	
84 1,1,2,2-Tetrachloroethane	83		21.543				ND	
85 N-Propylbenzene	91		21.602				ND	
88 4-Ethyltoluene	105		21.805				ND	
89 2-Chlorotoluene	91		21.805				ND	
90 1,3,5-Trimethylbenzene	105		21.918				ND	
92 tert-Butylbenzene	119		22.431				ND	
93 1,2,4-Trimethylbenzene	105		22.533				ND	
94 sec-Butylbenzene	105		22.774				ND	
95 4-Isopropyltoluene	119		22.988				ND	
96 1,3-Dichlorobenzene	146		23.014				ND	
97 1,4-Dichlorobenzene	146		23.153				ND	
98 Benzyl chloride	91		23.367				ND	
100 n-Butylbenzene	91		23.581				ND	
101 1,2-Dichlorobenzene	146		23.710				ND	
103 1,2,4-Trichlorobenzene	180		26.299				ND	
104 Hexachlorobutadiene	225		26.486				ND	
105 Naphthalene	128		26.807				ND	

Reagents:

ATTO15XISs_00002

Amount Added: 20.00

Units: mL

Run Reagent

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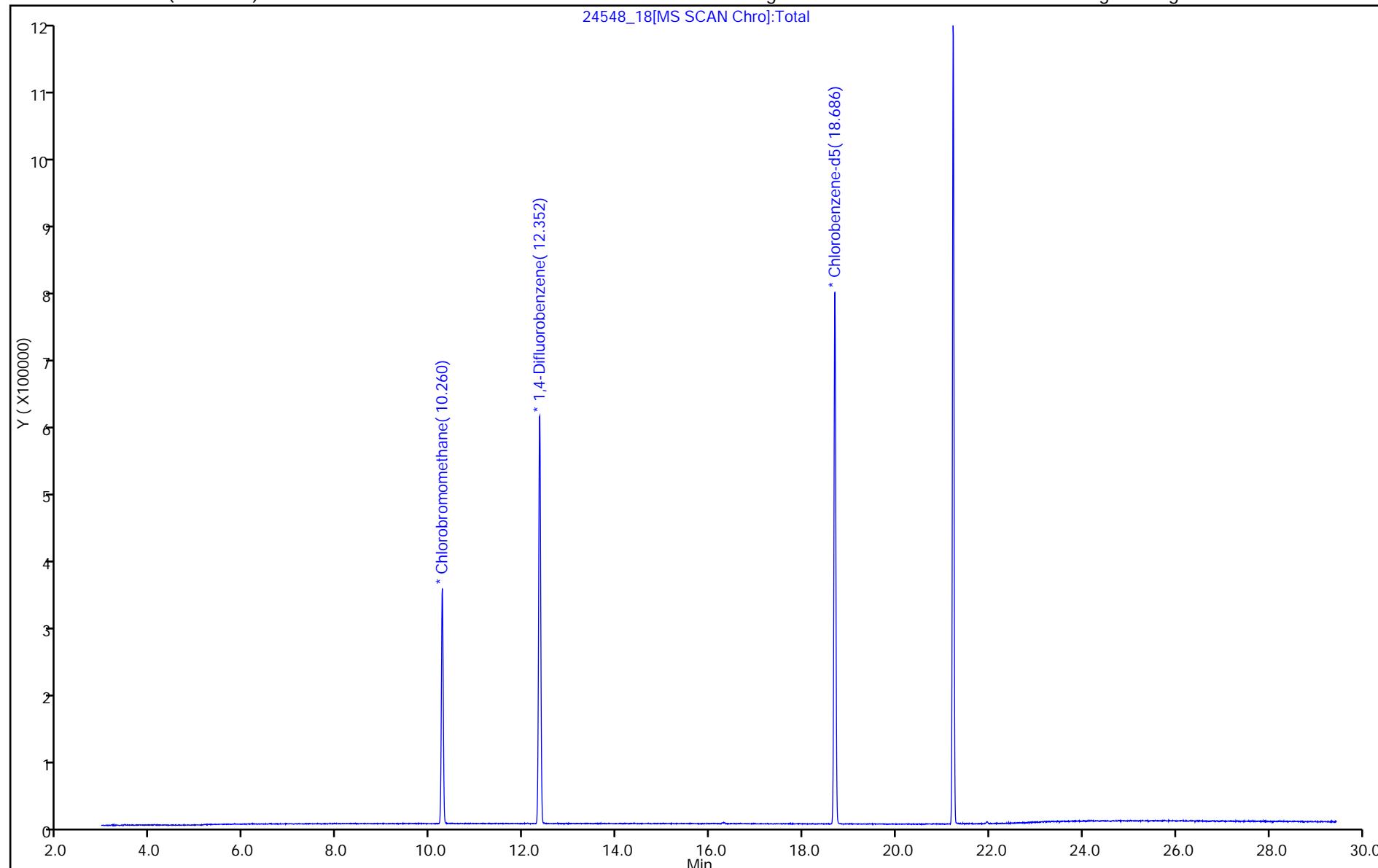
Report Date: 04-Apr-2017 15:41:56

Chrom Revision: 2.2 13-Mar-2017 15:50:30

TestAmerica Burlington

Data File: \\ChromNA\\Burlington\\ChromData\\CHX.i\\20170403-24548.b\\24548_18.D
Injection Date: 04-Apr-2017 01:43:30 Instrument ID: CHX.i Operator ID: wrd
Lims ID: 200-38041-A-12 Lab Sample ID: 200-38041-12 Worklist Smp#: 18
Client ID: 3212
Purge Vol: 200.000 mL Dil. Factor: 0.2000 ALS Bottle#: 16
Method: TO15_MasterMethod_X.m Limit Group: AI_TO15_ICAL
Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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Accreditation/Certification Summary

Client: ARCADIS U.S., Inc.
Project/Site: Ashland Greensboro

TestAmerica Job ID: 200-38312-1

Laboratory: TestAmerica Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Connecticut	State Program	1	PH-0751	09-30-17
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	NA	02-02-18
Florida	NELAP	4	E87467	06-30-17 *
L-A-B	DoD ELAP		L2336	02-25-20
Maine	State Program	1	VT00008	04-17-19
Minnesota	NELAP	5	050-999-436	12-31-17
New Hampshire	NELAP	1	2006	12-18-17
New Jersey	NELAP	2	VT972	06-30-17 *
New York	NELAP	2	10391	04-01-18
Pennsylvania	NELAP	3	68-00489	04-30-18
Rhode Island	State Program	1	LAO00298	12-30-17
US Fish & Wildlife	Federal		LE-058448-0	10-31-17
USDA	Federal		P330-11-00093	12-05-19
Vermont	State Program	1	VT-4000	12-31-17
Virginia	NELAP	3	460209	12-14-17

Laboratory: TestAmerica Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
North Carolina (WW/SW)	State Program	4	269	12-31-17

* Accreditation/Certification renewal pending - accreditation/certification considered valid.